# THE LANCET.

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## TO THE MEDICAL STUDENT.

THERE is no career more honourable, useful, and ennobling than that of the medical practitioner who makes science his object and regards humanity as his mission. There may be other vocations more brilliant, of greater social dignity and higher historic prestige, but none can compete with that which lies before the student of medicine for purity, goodness, manliness, and virtue. If the young man standing at the outer gate of our profession does not thus esteem it, he will do wisely, for himself and others, to retire. It is a good test of the earnestness and honesty of youth if it will bear a little plain speaking. We are not of those who think lightly of the profession and its aims. We cannot welcome to its ranks men who seek to enter simply with a view to "make a living" or "adopt a career." Medicine is not a calling for the needy or for the avaricious. It requires substantial private resources, and has little but disappointment and temptation to offer to the impecunious and those who haste to be rich. A modest competence at least, patience, and a sterling love of science are the requirements we would set down as indispensable to a prosperous and useful future. Assuming that the reader is provided with these essentials, let us deal frankly with him, and try to jot down a few reflections and suggestions resulting from experience and observation, leaving it to his own intelligence to make such use of our remarks as common sense and prudence may indicate. We are not about to preach at, or lecture, our young friend, but to talk over this great subject of the study of medicine and the life and work of a medical student with him, as man to man.

The task of preparation for a career in medicine appears almost overwhelming; the obstacles to be surmounted, the difficulties to be overcome, seem well-nigh impracticable. It is well that the outlook should thus impress the student. The augury is an evil one if the work appears too easy and the path smooth. Nothing will so much conduce to discontent later on as an inadequate estimate of the labour required. When the burden of life proves less oppressive than it has been expected to be, the mind is encouraged; when what was supposed to be easy is found difficult, the spirit is apt to be dismayed. Nevertheless, a fitting sense of the duty to be discharged and the enterprise to be accomplished must not be allowed to daunt the beginner, still less to bewilder him. The curriculum will afford ample time for the development of the business in hand in such order that it may be dealt with in detail. There are no hours to waste, but neither is there any need to fear that the work cannot be completed without undue strain on mind or body within the period fixed by those who, it must be remembered, have trodden the same path and conquered the same foes to progress which stand in the way of the student.

One of the commonest mistakes made by a young man entering on the study of our science to-day is to imagine that the demands made upon his time and strength are so much greater than those encountered at the outset of their own pupilage by the men who now address him, that unless his devotion and abilities should prove higher than theirs, he can scarcely hope to overtake them. He feels that with the best intentions on their part they cannot enter thoroughly into his difficulties, and, therefore, are not in a position to offer practical advice. We do not say that this feeling is expressed in so many words, but it manifestly underlies the apathy too commonly shown by students in regard to the seeking and taking of counsel. This misconception, for such it is, needs to be removed. The progress made in science during the last thirty years has doubtless added many things to the stock of knowledge which the student is required to make his own, but it has at the same time cleared away so much rubbish and relieved the pupil of so great a burden of routine work, besides throwing new light on obscure subjects and generally simplifying the work to be done, that the net total of the task has not been augmented.

The student of some thirty years ago, if at all diligent, duly attended and took notes at little short of twelve hundred lectures, while for books he had to labour through works written for the professors and practitioners of medicine in default of the many excellent manuals of study since compiled and now placed within reach of the pupil. Then, again, a practical knowledge of medicine and surgery was seldom to be obtained at any one school or hospital, while to achieve the requisite acquaintance with his subjects the student had to go through an immensity of toil and difficulty which are now spared him. Nor is this all. When examinations were concentrated at the end of the curriculum instead of being distributed over the term of pupilage and taken singly, as under the existing arrangements, the pupil required to prosecute his studies in the several branches of work simultaneously, and this entailed no small strain on the memory and mind-power generally, which are now left free for, perhaps, greater exertion in special departments. Taking the whole of the facts into consideration, we do not think the young man entering on the study of medicine in the winter session of 1879–80 need scorn the counsel of men who trod the path he is entering three decades before him. Work is work, however and whenever it be done, albeit much depends on the doing.

One of the best maxims for the student to set down at the head of his code of conduct is *to do everything thoroughly*. A specious fallacy in the policy of study is to make the probable requirements of the examination-day the measure of necessary attainments. A wise man will keep the examiners and their test interrogatories out of sight as much as possible. Obtaining knowledge with a view to answering questions is one of the most vicious of blunders. It is not too much to say that a man may be able to pass successfully through a severe ordeal of questioning in the several branches of Medicine and Surgery and yet know comparatively little of his profession. The only genuine study is that which consists in pursuing a searching and patient inquiry for the truth in respect to every subject with which it is required to become acquainted. It may not be necessary to-day, as it was a quarter of a century ago, to procure and study a

considerable number of independent monographs and lectures in order to "get up" a subject completely, but the best results will undoubtedly be obtained by the student who spares neither pains nor time to make himself master of each branch of knowledge in turn, and to exhaust it thoroughly. For example, the pupil who sets to work earnestly to "learn his bones," as though Osteology were the one purpose of his life, will find that he has not only studied the immediate subject in hand, but conquered most of the worst difficulties besetting a thorough knowledge of the muscles, and done much to simplify the study of arteries and nerves. An equally painstaking investigation of the other departments of Descriptive Anatomy when he comes to them, will recall and deepen his recollection of the bones. In the same way Comparative Anatomy will help Physiology, and the latter subject will, in its turn, react on Anatomy, human and comparative. Physiology will contribute to the comprehension of Medicine and Pathology, and one and all of the topics of science which engross the attention will prove tributary to a knowledge of the whole. If, on the other hand, the student contents himself with a smattering of his subjects in detail, he will find to his cost that the toil of making up even a tolerably presentable stock of marketable information at the end of his curriculum will be very great, and the result eminently unsatisfactory.

Another precept of value is to adopt a logical and associative mode of study, and try to discover the cause and effect of everything. *Think out the reasons of things.* Even in so elementary a matter as the study of the bones, to which we have already adverted by way of illustration, the advantages accruing to this method will be apparent. The pupil who taxes his memory with the position or direction of a groove, foramen, or canal, without taking the trouble to master the reasons for the fact he requires to remember, will find that he has not only burdened his memory needlessly, but lost the opportunity of so connecting two or three facts that each shall help to fix the others. The pupil who deems reasoning to be superfluous, or looks upon it as a function to be performed later on, complicates his task and throws aside one of his most potent aids. It is not necessary to indulge in diffuse and purposeless speculations about the origin of species or the occult mysteries of science. It is better to postpone such indulgence in flights of fancy until the field of practical knowledge has been covered as the curriculum prescribes, but so far as the logical study of obvious relations of cause and effect is concerned, the pupil cannot begin to reason too soon, and he who argues the most cogently will make the best and most practical progress.

Again, *never lose an opportunity of collecting facts.* Observation is the basis of experience, and there is sound truth in the old adage that experience is the best teacher. Moreover, experience in natural science, and in the phenomena of health and disease, can never be commanded, it must be taken as it comes. Many a practitioner is glad to fall back on the recollection of cases he saw at the very outset of his career, when, as yet, he had not the knowledge essential to a proper understanding. If he was a careful observer it will happen that he noted facts which came to be interpreted years afterwards. The prudent and far-sighted pupil will, therefore, never miss an opportunity of acquiring information, and he will cultivate an acute and ready habit of noting facts and appearances, with their surface associations and such connexions of cause and effect as his elementary knowledge may enable him to recognise. This work of observation is one that cannot be commenced too early, and must go on ceaselessly to the end of life. The secret of success in the practical study of facts is to observe carefully and patiently; to take nothing on trust, but verify the truth of every appearance; to test the accuracy of every impression, and bring each inference to the trial of fact without daring to make any generalisation. It is enough for the student that he has *seen* and *proved* the several facts which have fallen under his observation. He must not imperil the accuracy of his judgment by presuming to draw deductions. That most dangerous of tasks may well be left until he has reached years of scientific discretion, when, alas! he will still be beset with a multitude of pitfalls and fallacies.

The Medical Student has passed through the stage of a general education, and it is necessary to assume that he has formed a general method of study. Some men learn readily from lectures, others require to read for themselves. As a rule, each individual must pursue the course which he has found most helpful. The like is true of the question whether a student should take notes of everything or trust to his memory. Doubtless the mind which is trained to act as a self-acting register of facts and impressions will do the best service in the study of science. No system of notation can equal the efficiency of a well-ordered faculty of perception and retention, which, so to say, digests every idea received on the spot, and puts it away in an appropriate place in the memory. Those who are so gifted may trust simply to memory, and will have the advantage in the task of constant and unwearied study in the dissecting-room, the museum, the lecture theatre, the hospital wards, and the out-patient room. In the absence of such a power, the student will do wisely to take notes. As a rule, "too much study is a weariness of the flesh," and the pupil will find that the best work is that which is done regularly and moderately rather than impulsively and in such a fashion as to fatigue. Above everything *he should cultivate method*, and it will be well if he so orders his life as to apportion a set time daily for work, rest, and—that necessity of the mind and body alike—recreation.

When a young man enters upon the study of Medicine it often happens that he is for the first time cast on the world, and exposed to manifold new impressions which may act as inducements to idleness or self-indulgence. Against such allurements the medical student should be especially on his guard. The world is very seductive in its appearance to the young, and if it were the fact that any real pleasure or lasting satisfaction could be gained by the gratification of natural impulses it would be priggish to warn the youthful adventurer against these attractions. We are not of the number who affect to regard life as a term of penance and self-denial. The inner and nobler "self" is not only an inseparable part of man's nature, but the seat of all his emotions. This cannot and will not be denied. There is, however, an outer self—a meretricious system of inclinations and appetites for pleasure so-called—which example and fashion build up around the true core of human nature. This

excrescence on his consciousness the student will do well to treat with the severity of a thoughtful judgment. We should seem to write platitudes if we urged the young man entering upon life with all the vigour of youth, and every capacity for enjoyment, to eschew pleasure. All we can or will say to him is, "Do not be cheated." If you seek bread, do not be satisfied with a stone. Life is not long enough to make mistakes unimportant. There is no space for idle wandering from the straight path. If he will learn by the experience of those who have gone before him, the foolish and the wise, he may be assured that those who have made "pleasure" an object, regret not only the time wasted, but the "enjoyment" obtained. They have sought happiness, but have found misery and regret. Their hopes of pleasure have been bitterly disappointed. Meanwhile those who have tried to do their duty humbly and honestly have reaped the fruit of perseverance in well-doing, and are now thankful for not having been "led astray." We are anxious to avoid even the semblance of preaching in respect to these matters, but candour compels us to make this avowal, and we ask the student inexperienced in the ways of the world, and not unnaturally attracted by a prospect of making a personal acquaintance with "life," especially in the metropolis, to believe that if he chooses a bye-path, he will sincerely regret the choice, as multitudes have regretted and still deplore it to their lasting grief. There is no more trusty friend than conscience, and the young man who takes that for his counsellor will scarcely go astray. Work is the talisman of happiness, and the happiness which work commands implies and includes *success*.

## CHANGES AT THE MEDICAL SCHOOLS.

THE perusal of the revised roll of the teachers and other officers connected with the various medical schools and their hospitals within the United Kingdom has this year been more than usually sorrowful. Many familiar names are missing, erased by the relentless finger of death, some, alas! of esteemed personal friends or colleagues; all of men who had attained eminence in their respective stations. Never again shall we, in London, hear the philosophic Hilton explain, in his peculiarly lucid style, the great principles of surgery, or listen to the fruitful words of the sagacious Murchison. Tilbury Fox, the keen-sighted, but noble-hearted, physician; Charles Maunder, the skilful and careful operator; and Charles Brooke, the surgeon and natural philosopher, are for ever gone. Nor are we alone in bereavement. Bristol has lost its Tibbits, Liverpool its Vose and its Steele, and Dublin its Tyrrell. The names of others, some younger than these, and full of promise, have been wiped out by the same dread foe. A wise dispensation has, however, provided against actual disaster. However much we may miss and mourn the great ones that are gone, we must gratefully acknowledge the services of the younger volunteers who have promptly offered, to the best of their ability, to carry on the work that still remains to be done. Indeed, we are more than ever struck this year with the enthusiasm and honourable rivalry that exist among the teachers of the various schools. The provincial schools enter into the closest competition with the metropolitan; and it is, happily, an upward competition not a downward. Increased facilities are everywhere offered in all departments of study, and especially for those studies that absorb the early years of the student's career, such as anatomy and physiology. Compared with five or more years ago, the precautions now taken to improve the practical instruction in these important subjects are remarkable. In most schools the number of demonstrators of anatomy has been considerably increased, and practical physiology and histology are now placed under the care and supervision of a special teacher. The same zeal is observable in the more advanced subjects — medicine, midwifery, surgery, and especially practical medicine and surgery. More attention, too, is paid every year to the instruction given in special diseases; and we are glad to find that public-health is now taught in a large number of schools as a separate and independent subject, and not thrown in with lectures on medicine, medical jurisprudence, or any other with which they were supposed best to blend. Hygiene is yearly becoming a matter of increasing national importance, and promises to open out a way by which existing unsatisfactory relations between the profession and the public may be amended and ennobled.

The following is a brief account of some of the principal changes that have been made in the *personnel* of the schools and hospitals since the issue of our last Student's Number:—

At the *Charing-cross School* no material changes have occurred. Mr. T. Astley Bloxam has succeeded Mr. Bellamy as teacher in Operative Surgery, and Mr. R. Smith has been appointed junior demonstrator of Practical Physiology. At the *Hospital* Mr. Albert Leahy has been appointed surgical registrar *vice* Mr. D. Colquhoun.

At *Guy's* also no changes have occurred among the lecturers, but the surgical staff of the *Hospital* has sustained a serious loss in the decease of Mr. John Hilton, F.R.S., one of the consulting surgeons. Mr. G. J. Symonds has resigned the post of junior demonstrator of Anatomy, in which he is succeeded by Dr. Horrocks, and has been appointed Mr. G. A. Wright's successor as surgical registrar.

At *King's College* it is pleasant to note that Dr. Charles Kelly has returned to his *alma mater* as successor to Dr. Guy, professor of Hygiene; Mr. F. Jeffrey Bell has replaced Mr. A. H. Garrod in the chair of Comparative Anatomy, which the latter gentleman was unfortunately compelled to vacate some months ago through failing health. Mr. J. M. Thomson has been appointed demonstrator in Practical Chemistry, and Mr. G. S. Johnson occupies Mr. Thomson's former position of assistant demonstrator. At the *Hospital* the only change is the appointment of Mr. F. Willcocks as junior surgical registrar (Sambrooke).

At the *London Hospital School* the recent death of Mr. Maunder renders the lectureship of Practical Surgery vacant, and reduces the number of surgeons at the hospital. The chair of Botany is also vacant.

At the *Middlesex Hospital School* Dr. King has been appointed additional lecturer on Clinical Medicine and Mr. Henry Morris additional lecturer on Clinical Surgery. Mr. J. B. Sutton has replaced Mr. W. R. Williams as sub-demonstrator of Anatomy. At the *Hospital* the changes have been more important. Dr. Henry Thompson, having retired from active work, has been made a consulting physician. Dr. King has been promoted to the rank of physician to replace Dr. Thompson. Dr. David Finlay has been appointed assistant-physician, and Dr. Robert Liveing has been appointed physician to the Skin Department. Mr. Nunn has retired from the surgeoncy, and has become Mr. Shaw's colleague as consulting surgeon. The changes caused by Mr. Nunn's retirement have been adjusted by the promotion of Mr. Henry Morris to the rank of surgeon and the appointment of Mr. Robert Lyell as assistant-surgeon. Mr. E. A. Fardon has succeeded Mr. Lucas as resident medical officer.

At *St. Bartholomew's* Dr. Gee has succeeded Dr. Black as one of the lecturers on Clinical Medicine, and Dr. Thorne has been appointed to the separate chair of Public Health and Hygiene, which has hitherto been occupied by the lecturer

on Forensic Medicine. Dr. Legg has been appointed Dr. Gee's successor as lecturer on Pathological Anatomy, Dr. Moore following the former gentleman as demonstrator of Morbid Anatomy. The demonstrations in Practical Surgery will be given by Mr. Butlin, *vice* Mr. Marsh, those in Mechanical and Natural Philosophy by Mr. D. Macalister, in place of Mr. C. R. Smith; and Dr. S. West has been appointed Dr. Moore's successor as medical tutor.—At the *Hospital* Dr. Black has been made consulting physician, and in consequence thereof Dr. Gee has been promoted to the rank of physician, and Dr. Legg has been appointed to the vacant assistant-physiciancy thus produced. Dr. V. D. Harris, Dr. T. A. Ormerod, and Dr. S. West have succeeded Dr. W. Legg, Dr. Bridges, and Dr. Champneys as casualty physicians, and Mr. Cripps has been appointed one of the surgical registrars, *vice* Mr. Butlin.

At *St. George's* no essential changes have been made. Dr. Wadham has become Dr. Whipham's colleague as lecturer on Clinical Medicine for the winter session, *vice* Dr. Dickinson, and Dr. Cavafy has been appointed successor to Dr. Wadham as demonstrator of Diseases of the Skin.

At *St. Mary's*, through the retirement of Dr. Chambers, Dr. Broadbent has become sole lecturer on Medicine. Mr. Malcolm Morris is now associated with Dr. Cheadle as lecturer on Skin Diseases; Mr. H. E. Juler has been appointed demonstrator of Anatomy, Mr. R. P. Griffin assistant demonstrator, and Mr. E. H. Rennie has been made demonstrator of Chemistry and Natural Philosophy. There have been no changes made among the medical and surgical officers of the hospital.

At *St. Thomas's* a grievous loss has been sustained in the lamented death of Dr. Murchison. Dr. John Harley has succeeded the deceased gentleman as one of the lecturers on Clinical Medicine, and as physician to the hospital. Dr. Sharkey is Dr. Greenfield's successor as demonstrator of Morbid Anatomy, in conjunction with Dr. Reid; Mr. Hutton has been appointed demonstrator of Practical Physiology, and Mr. Taylor and Mr. Haslam have been made demonstrators of Anatomy. At the *Hospital* Mr. Clutton, has been appointed assistant-surgeon, and is succeeded by Mr. B. Pitts as resident assistant-surgeon. Dr. W. B. Hadden has been appointed medical registrar, *vice* Dr. T. C. Charles.

At *University College* no important changes have been made. Sir William Jenner, having been compelled, through stress of public and private obligations, to relinquish the post of physician, has been appointed one of the consulting physicians to the hospital, of which he has, for so many years, been one of the most conspicuous ornaments. Dr. Radcliffe Crocker has been appointed the late Dr. Tilbury Fox's successor as physician to the Skin Department.

At the *Westminister School* sickness and death have left their marks. Dr. Phillips is still unable, through serious illness, either to lecture on Materia Medica or to attend to his hospital duties. Both school and hospital have lost a valued friend and supporter by the death of Mr. C. Brooke, F.R.S., famous alike as a surgeon and a physicist. Mr. Brooke was for many years surgeon to the hospital and joint lecturer on Surgery; lately he was lecturer on Natural Philosophy in the school and consulting surgeon to the hospital. Mr. Black has been appointed demonstrator of Anatomy; and Mr. W. H. R. Forsbrook has succeeded Mr. Neale as surgical registrar.

At *Queen's College*, Birmingham, Dr. Alfred H. Carter has been appointed an additional lecturer on Physiology. Dr. A. Bostock Hill has succeeded Mr. A. C. Bruce in the chair of Chemistry and Natural Philosophy; Dr. Robert Saundby has been appointed lecturer on Comparative Anatomy; and Mr. Cornelius W. Suckling medical tutor.—No changes have been made in the staff either of the *General Hospital* or the *Queen's Hospital*.

At the *Bristol School* the changes are numerous and important. To the lectureship in Surgery, made vacant by the death of Mr. Tibbits and the retirement of Mr. Coe, Mr. Nelson C. Dobson has been appointed, Mr. Richardson Cross succeeding Mr. Dobson as lecturer on Anatomy. Dr. Reginald Eager and Mr. Walter Stoddart have been appointed joint lecturers on Medical Jurjsprudence, in place of Mr. W. Powell Keall, who now takes charge of operative Surgery and Surgical Pathology. Dr. John E. Shaw is Dr. Burder's successor as lecturer on Materia Medica and Therapeutics. The lectures on Physiology and on Practical Physiology and Histology, which have hitherto been given by Dr. Shingleton Smith and Mr. George F. Atchley conjointly, have been separated; the former gentleman taking the whole course of Physiology, the latter confining himself to Practical Physiology and Histology. Mr. W. G. Sollas has succeeded Mr. Atchley as lecturer on Comparative Anatomy, and Mr. W. H. Harsant has succeeded Mr. W. E. Cant as demonstrator of Anatomy. Mr. A. W. Prichard has been appointed teacher of Practical Surgery, and Dr. A. E. Aust Lawrence has become Dr. J. G. Swayne's colleague in the chair of Midwifery and Diseases of Women. At the *Royal Infirmary* many changes have occurred. Mr. Crosby Leonard having been made consulting surgeon, Mr. A. W. Prichard has been promoted to a full surgeoncy. In the assistant-surgeoncy he is succeeded by Mr. W. H. Harsant. Mr. Richardson Cross and Mr. J. Greig Smith have also been appointed surgeons. Mr. J. H. Lee Macintire has been appointed medical superintendent, Dr. James Scott house-physician, and Mr. G. H. Lilley house-surgeon. At the *General Hospital* only minor changes have been made. Mr. C. F. Pickering has succeeded Mr. W. H. Harsant as house-surgeon; Dr. E. W. Hope, Mr. F. G. Stewart as physician's assistant; and Mr. J. R. Grey, Mr. A. C. Brock as assistant-house-surgeon.

At the *Leeds School and Infirmary* no changes have been made.

At the *Liverpool School* Dr. Wallace has succeeded the late Mr. A. B. Steele as lecturer on Obstetric Medicine and as obstetric physician to the infirmary. Dr. H. Ashby has been appointed demonstrator of Practical Physiology. The *Royal Infirmary* has lost one of its esteemed consulting physicians by the death of Dr. Vose; Mr. R. Hughes Jones has succeeded Mr. D. Harrisson as resident medical officer.

At the *Manchester School* (Owens College) the only changes are—Dr. A. Milnes Marshall has succeded to the chair of Comparative Anatomy, *vice* Mr. W. C. Williamson, F.R.S., Mr. Marcus Hartog has been appointed demonstrator and assistant-lecturer in Biology, and Dr. Henry S. Branfoot demonstrator in Anatomy.—At the *Royal Infirmary* Dr. James Ross has been appointed assistant-physician, Mr. F. A. Southam resident surgical officer, Mr. T. Jones medical and surgical registrar, and Dr. S. D. Bradshaw pathological registrar.

At the *Newcastle-upon-Tyne School* (University of Durham) there have been no changes; and at the *Sheffield School* the only change is the appointment of Mr. H. S. Bell as joint lecturer with Mr. J. W. Harrison on Medical Jurisprudence and Toxicology.

At the *University of Aberdeen*, Dr. Alexander Harvey, having been appointed Emeritus professor, has been succeeded in the chair of Materia Medica by Dr. A. D. Davidson. Dr. J. Cossar Ewart has been appointed Mr. Nicol's successor as professor of Zoology and Comparative Anatomy.

At the *University of Edinburgh* Dr. Dickson takes the lectureship in Botany, in place of Dr. Balfour, and Dr. Clouston succeeds Dr. Grainger Stewart in the lectureship in Medical Psychology. At the *School of Medicine*, Mr. Symington has been appointed lecturer on Practical Anatomy

in conjunction with Dr. Handyside, Dr. Stephenson Macadam lectures on Practical Chemistry with Mr. J. Falconer King and Mr. Ivison Macadam, and Dr. Angus Macdonald has been appointed lecturer on Midwifery and Diseases of Women and Children.

At the *University of Glasgow*, and at *Anderson's College*, Glasgow, there have been no changes.

At the *University of Dublin* there has been no change.

At *Dr. Steevens' Hospital and Medical College* Mr. H. Pentland has been appointed Professor of Botany, and Mr. J. Neil has succeeded that gentleman as demonstrator of Anatomy.

At the *Catholic University of Ireland* Mr. Patrick J. Hayes has been appointed the late Mr. Tyrrell's successor in the chair of Surgery.

At *Queen's College*, Cork, Dr. Macnaughton Jones has been appointed professor of Midwifery, and Dr. J. F. Tuohy one of the demonstrators of Anatomy. At the hospitals connected therewith the only changes are that Mr. D. C. O'Connor and Dr. Charles A. Harvey have been appointed assistant-physicians to the *Cork Lying-in Hospital*, and that Dr. J. P. Golding has been appointed one of the obstetric physicians, and Dr. T. Gelston Atkins assistant obstetric physician, to the *Cork Maternity*.

At *Queen's Colleges*, Belfast and Galway, there have been no changes.

## ON BOOKS.

WE gave last year some advice to students regarding their choice of books, and the manner in which reading should be done. It may be useful to reproduce the list of works to which we then directed notice as worthy of study. The list may seem a long one, but it embraces all the current text-books and some of those works which are more profitably read by those entering for university degrees. It would be invidious to limit this selection too much; all that can be done here is to indicate the style and nature of the works from which the student will make his choice. Whenever he is in doubt he had better consult the lecturer on the subject, who will give him more definite information as to the books most suited for him. But the student should always bear in mind that by reading alone he cannot fit himself for his examinations. Books are useful in proportion as they supplement and systematise his practical work; and he should, above all, be careful not to distribute his reading in one subject over many books. The time at his disposal is short, and he must economise it as much as possible.

In the first place it will be convenient to refer to the text-books on those sciences which, collateral to medical study, are often left for the student to gather information about in his first year. The time is, it may be hoped, fast approaching when no student shall be placed upon the Register before passing an examination which shall include these subjects. At present they stand sadly in his way, and hamper his course by compelling him to devote that time to their pursuit which, if it were already complete, would be more profitably employed in the study of strictly professional topics. The medical curriculum will not be perfect until a "preliminary scientific examination" shall no longer be restricted to candidates for university degrees. In *Chemistry*, which, with botany, now forms part of the first year's course, there are text-books innumerable. To the beginner there is no better book than Professor Barff's "Introduction to Chemistry," but its scope is too limited even for the requirements of the Apothecaries' Hall examination. Professor Roscoe's little work on "Elementary Chemistry" travels over the whole range of the subject, and if thoroughly mastered will be found all-sufficient. By those who wish to dive deeper, Fownes', Attfield's, or Williamson's work, or that of the late Professor Miller, may be studied. The last-named, however, is too extensive for any but those who are anxious to obtain university honours. It has the advantage also of containing a lengthy introduction on the subject of Physics. In Practical Chemistry, best acquired at the hands of the teacher, useful additional guides will be found in Professor Odling's or Bowman's works; whilst Dr. Ralfe has devoted a small work to the subject of "Physiological Chemistry," which some may like to study later in connexion with the lectures on Physiology. In *Natural Philosophy and Physics*, some of the pleasantest books to read are Ganot's Physics, and the works on Heat, Sound, and Electricity, by Professor Tyndall, these latter being books that may be read in hours of leisure rather than allowed to interfere with the severer course of study. Similar subjects are treated of in Deschanel's treatise, which may be obtained in separate parts. In *Botany*, there are Professor Oliver's "Elementary Botany," and Professor Balfour's or Bentley's work; and more elementary than either will be found Cooke's "Structural Botany," and Dr. Silver's little work. For *Zoology and Comparative Anatomy*, Professor Nicholson has issued several books, each of different degrees of advancement; but where the student has need for more complete instruction, he should not fail to read Professor Huxley's two books, the one on the Vertebrate and the other on Invertebrate Animals. The same author's "Introduction to the Study of Comparative Anatomy" gives, in small compass, a large amount of information. Gegenbaur's Manual of Comparative Anatomy, which has recently been translated, is one of the most exhaustive of all the works on this subject, which it brings up to the modern standpoint. Mr. Bradley's and Dr. Ord's smaller "Outlines" should also be mentioned as giving clear and concise summaries of the subject.

We now come to the two subjects which will engross the student's attention for the first eighteen months of his career. Anatomy can only be learnt properly by constant and assiduous dissection—aided by careful reading. The number of works that have been written on this subject for the use of students is large indeed. For practical work in *Anatomy* the most complete and trustworthy is Prof. Ellis's "Demonstrations in Anatomy," which has stood the test of quite a generation of students, and is apparently as much appreciated as ever. Less exhaustive, but almost as useful, are Holden's Manual of Dissections, and Heath's Practical Anatomy. For the systematic study of the subject after the practical work is over for the day, Gray's Anatomy holds a well-deserved place; whilst the book which has obtained a world-wide reputation is Quain's Anatomy—the representative work of English anatomical science. Subsidiary to these, are sundry works on Osteology—such as those by Holden, Ward, Norton, or Wagstaffe. For help in recalling the parts dissected—and very useful therefore when the student cannot be engaged in his practical pursuits—are the excellent "Plates" of Ellis, and those (now in course of publication) of Mr. Godlee; whilst as a companion to the dissecting-room, and as a help to the student in recording the facts he observes, may be mentioned the "Outlines" now being issued by Mr. Hensman. In the department of "Regional Anatomy," there are the plates of Professor Braune, recently republished with English text by Mr. Bellamy. Dr. Gibson's work on "Medical Anatomy" is of great value in the same department; and Messrs. T. Smith and Walsham, and Mr. Holden, have written smaller works dealing with the "landmarks" of the body. In *Physiology*, to those who desire to master all the essentials of the subject without caring to dive too deeply into the more advanced topics, Professor Huxley's "Elementary Physiology" may be strongly recommended. Any student who thoroughly reads this book will be well furnished to meet most of the questions that may be set before him. But as he has two years in which to learn the subject, it would be well if, after reading Huxley in his first year, he should go further in his second. The last edition of Kirkes' "Physiology" will take him a step further, and it is a book which for the majority has become the most favoured of all text-books on the subject. But it does not suffice for the higher course of study, and to those who pursue that Professor Foster's "Text-book," Hermann's "Elements," or Professor Flint's work will be of greater use. Carpenter's "Human Physiology" is also excellent, though somewhat overburdened with extraneous matter; but his smaller "Manual," edited by Dr. Pye-Smith, will shortly be published, and may be found a formidable competitor for popularity with some of those above-named. Allied to these subjects is Histology, which

year by year is obtaining a firmer foothold, and requiring increased application for its study. The sections dealing with it in Quain's "Anatomy" are the best that have been written on the subject; and as an aid to the practical work (wherein alone it can be properly learnt) Professor Schäfer's little book on "Practical Histology," and Dr. Rutherford's "Outlines," stand first. In Practical Physiology—a subject which of necessity can be followed out only by a few—the large "Handbook to the Physiological Laboratory," edited by Dr. Sanderson, is the only English work.

Continuing in the line of the student's course, there is next to be taken up *Materia Medica and Therapeutics*. In the former Dr. Garrod's and Mr. Scoresby-Jackson's works are the best, and of smaller size are the compendia of Dr. Thorowgood, Dr. Royle, Dr. Farquharson, and Dr. Milne. Wood's "Materia Medica and Therapeutics," and Phillips's work, are both of them of a high class, and deal largely with the subject from the physiological point of view. Dr. Ringer's and Dr. Waring's Therapeutics are works devoted specially to that subject, and abound in practical hints and suggestions. In *Medical Jurisprudence* the books most suitable for students are Taylor's Manual, and Guy's "Forensic Medicine," which embrace all branches of the subject; but Taylor "On Poisons," and his larger work on "Medical Jurisprudence" may profitably be referred to; as also may be the rather unwieldy book published two years ago from the pens of Drs. Tidy and Woodman. In *Medicine* there are several text-books from which students will have to make their choice. Each has its own peculiarities. That of Dr. Tanner may be mentioned the first, because it has been longest in the field, and also because it is fully sufficient for most purposes; it is eminently practical. The handbook of Dr. F. T. Roberts is, however, perhaps the most useful, and abounds in information supplied in a thoroughly systematic manner, although, from the very extensive range travelled over, the subject is necessarily condensed, and the book, therefore, no light reading. It is pre-eminently a student's book. The work of Dr. Bristowe is more original, and is valuable especially in its pathological portions, and in the admirable account given of diseases of the nervous system. Dr. Aitken's "Outlines" are also good. But for a work which is both pleasant in the reading and valuable for its suggestiveness, the text-book of Professor Niemeyer takes the front rank. Certainly no candidate for the higher examinations should fail to read this book, and to carefully study it, for although in some sections it hardly comes up to the standard of some English authorities, yet, as a whole, there is no work like it. Nor should Dr. Watson's famous book on the "Principles and Practice of Physic" be omitted, for many an hour may be passed both profitably and with pleasure in the perusal of these classical lectures. Those who intend taking high degrees, such as the M.D., should read much of the "System of Medicine" edited by Dr. Reynolds, and the time would not be wasted in the perusal also of several of Trousseau's admirable lectures on Clinical Medicine, translated by the Sydenham Society. Such candidates also would do well to read the monographs of Dr. Murchison on Diseases of the Liver, or those on Diseases of the Kidney by Drs. W. Roberts, Grainger Stewart, or Dickinson; and also to consult Dr. Walshe's works on Diseases of the Lungs, and Diseases of the Heart, or the lectures of Dr. Balfour on the last-named subject. On diseases of the nervous system there are the lectures published last year by Dr. Wilks, those of M. Charcot, some of which have been issued by the Sydenham Society, and the treatises of Althaus, Hammond, and others, and of Dr. Bastian on Paralysis from Brain Disease. As guides in clinical work the little books of Dr. Tanner and Dr. Fenwick; in Medical Diagnosis, Da Costa, or Dr. Barclay, and the Manual on Auscultation and Percussion, by Dr. Gee, will be very useful. The handbook of Clinical Medicine edited by Dr. Finlayson will be found the most complete of any treating on this subject. For senior students who wish to study medical ophthalmoscopy, the first place is due to the admirable work of Dr. Gowers, recently published. It is provided with an atlas which alone will repay the most careful study. Dr. Clifford Allbutt's work on the same subject has been longer before the profession, but it is wanting in illustrations. Of works on *Pathology* the best to serve as an introduction to the subject is Dr. Green's little book, which has run through many editions. The second edition of Jones and Sieveking's "Pathological Anatomy," edited by Dr. Payne, might be read, although there is much matter in it hardly consonant with present advances in the subject. The text-book of Drs. Wilks and Moxon is valuable as a companion to the museum and dead-house; whilst for Pathological Histology, for more advanced students, the work of Rindfleisch (Syd. Soc.), and to those who read French, that of MM. Cornil and Ranvier, may be recommended. In *Surgery*, of late years new text-books have appeared which have gone to displace some that used to be relied on. The two works by Mr. Bryant and Mr. Holmes respectively are perhaps now the most widely read. New editions of both these works have recently appeared. Druitt's "Vade-Mecum" is now less sought after, for it has not been thoroughly kept up in all its departments to modern doctrines. Still, by some it may be preferred to either Bryant or Holmes. Of larger works Erichsen's "Science and Art of Surgery" needs only to be mentioned. Its merits are well and widely known. And the same may be said of Holmes's System of Surgery. Practical Surgery has been treated by Sir W. Fergusson, Mr. Spence, Dr. Pirrie, and Mr. Syme, in books which have obtained a deserved repute. Minor works on Operative Surgery, such as those by Messrs. Bell and Maunder, are of great use to the student in his career as dresser or house-surgeon, as also are Mr. Hill's on Bandaging and Mr. Heath's on Minor Surgery. On Surgical Pathology a small text-book is sadly needed. The excellent analysis of the contents of St. Bartholomew's Hospital Museum published by Mr. Walsham under the title of "A Manual of Surgical Pathology," contains in a concise form the leading facts of this subject; and it might profitably be used as a companion in other museums than the one for which it is especially intended. Sir James Paget's lectures and those of Professor Billroth are the chief works available, but both are beyond the needs of the ordinary student. In the department of *Midwifery* the best works are those of Playfair and Leishman, and Dr. Robert Barnes' or Mr. Clay's works on "Obstetric Operations." With these the student preparing for University degrees would be well armed; whilst for emergencies Dr. Swayne's "Obstetric Aphorisms for Students" is excellent, and may be used in conjunction with the lectures attended by the student. In *Gynæcology* the small book of Dr. Lombe Atthill is deservedly popular. Of like scope is the handbook lately issued by Dr. Galabin. More extensive information may be found in the larger works of Drs. Barnes, Graily Hewitt, and Thomas.

There still remain some special subjects which the student may require to pursue. In *Dermatology* there are the small books, abounding in information, by Dr. Tilbury Fox and Dr. Liveing; and larger works, such as that by the first-named author, and Pullar's translation of Neumann's text-book. On *Diseases of the Eye*, Mr. G. Lawson's book is the most useful for the student. On the *Diseases of the Ear*, Hinton, Dalby, Allen, or Keene. In *Medical Electricity* there are the works of Dr. Vivian Poore, and those by Dr. Reynolds and Mr. De Watteville. In *Dental Anatomy* Mr. Charles Tomes has written a useful book; and in *Dental Surgery* the works of Tomes and Salter are those most consulted. In *Hygiene*, Professor Wilson's work, or the larger well-known treatise of Dr. Parkes. Lastly, it may be added that at the M.D. examination of the University of London the subject of *Logic and Moral Philosophy* may be sufficiently gleaned from the works of Professor Jevons on the former topic and Professor Bain on the latter.

## SESSION 1879-80.

### GENERAL COUNCIL OF MEDICAL EDUCATION AND REGISTRATION OF THE UNITED KINGDOM.

*Registration of Medical Students.*—The following regulations have been adopted by the General Medical Council in reference to the registration of students in medicine:—Every medical student shall be registered in the manner prescribed by the General Medical Council. No medical student shall be registered until he has passed a preliminary examination as required by the General Medical Council, and has produced evidence that he has commenced medical study. The commencement of the course of professional study recognised by any of the qualifying bodies shall not be reckoned as dating earlier than fifteen days before the date of registra-

tion. The registration of medical students shall be placed under the charge of the branch registrars. Each of the branch registrars shall keep a register of medical students according to a prescribed form, wherein is set forth the name, the preliminary examination and date thereof, the date of registration, and the place and date of commencement of medical study, as certified by a master or a teacher, or an official in a medical school or hospital. Every person desirous of being registered as a medical student shall apply to the branch registrar of the division of the United Kingdom in which he is residing; and shall produce or forward to the branch registrar a certificate of his having passed a preliminary examination as required by the General Medical Council, and *evidence that he has commenced medical study*. The branch registrar shall enter the applicant's name and other particulars in the Students' Register, and shall give him a certificate of such registration. Each of the branch registrars shall supply to the several qualifying bodies, medical schools, and hospitals, in that part of the United Kingdom of which he is registrar, a sufficient number of blank forms of application for the registration of medical students. The several Branch Councils shall have power to admit special exceptions to the foregoing regulations as to registration, for reasons which shall appear to them satisfactory. A copy of the Register of Medical Students, prepared by each of the branch registrars, shall be transmitted, on or before the 31st December in each year, to the registrar of the General Council, who shall, as soon as possible thereafter, prepare and print, under the direction of the Executive Committee, an alphabetical list of all students registered in the preceding year, and supply copies of such authorised list to each of the bodies enumerated in Schedule A to the Medical Acts, and through the branch registrars to the several medical schools and hospitals. The several qualifying bodies are recommended not to admit to the final examination for a qualification under the Medical Acts any candidate (not exempted from registration) whose name has not been entered in the Medical Students' Register at least forty-five months previously. In the case of candidates from other than schools of the United Kingdom, the Branch Councils shall have power to admit exceptions to this recommendation.

Communications relating to the Medical Students' Register, or to the registration of medical students, should be sent to the registrars, to the following addresses:—W. J. C. Miller, B.A., Registrar of the General Medical Council, 315, Oxford-street, London, W.—Archibald Inglis, M.D., Registrar of the Branch Council for Scotland, 33, Albany-street, Edinburgh.—W. E. Steele, M.D., Registrar of the Branch Council for Ireland, 35, Dawson-street, Dublin.

## REGULATIONS OF THE MEDICAL EXAMINING BOARDS IN THE UNITED KINGDOM.

### UNIVERSITY OF OXFORD.

Every student must reside in one or other of the Colleges or Halls, or in licensed lodgings, for a period of three years, passing at least two examinations in Arts, and one in either Mathematics, Natural Science, Law, Modern History, or Theology, when, if he obtain a first, second, or third class, he can take his B.A. degree; if he do not gain such honour, he has to pass a third examination in *Literis Humanioribus*.

A student desiring to graduate in Medicine must pass the requisite examinations for the degree of B.A. He must afterwards spend two years in study[1] prior to the first or scientific examination for the degree of Bachelor of Medicine, and two years more, after passing the first, prior to the final or practical examination for the same degree. Evidence must be brought to show that he has studied the practical parts of his profession in a first-class hospital.

There is an examination in State Medicine and Public Health, to which Bachelors of Medicine of the University are admissible. Copies of the examination-papers in the several examinations may be obtained through any bookseller.

[1] If he have taken the higher honours in the Natural Science School he may go in for the first M.B. examination on the first opportunity, and so have a longer period of practical study before the second M.B. examination.

A dissertation has to be publicly read, three years after obtaining the M.B., before being eligible for the M.D.

The study of Natural Science is carried on at the Museum. There are extensive opportunities there for the study of Physics, Chemistry, General, Comparative, and Human Anatomy, Histology, and other departments of Natural Science, together with courses of lectures and of practical instruction by the several professors. Collections illustrate the various subjects. There is in the medical department a pathological series, including the collection of Schroeder Van der Kolk, and a sanitary laboratory, conducted by the public analyst. The Radcliffe Library, containing above 20,000 scientific volumes, is open to all students daily from 10 till 4, and on certain evenings during term. There are also lectures and practical instruction in Botany at the Botanical Gardens, and clinical instruction at the Infirmary.

The medical examinations take place annually in the Michaelmas term.

Scholarships of about the value of £75 are obtainable at Christ Church, Magdalen, and other colleges, by competitive examination in Natural Science. Every year a Radcliffe Travelling Fellowship is competed for by any who, having taken a first class in any of the schools, or having obtained a University prize or scholarship, propose to study Medicine. The Travelling Fellows receive £200 a year for three years, half this period being spent in study abroad.

More detailed information may be obtained from the University Calendar; from the Students' Handbook to the University; from the Regius Professor of Medicine; from the Professors in the several departments; from E. Chapman, Esq., M.A., Frewin Hall; and from the Sub-Librarian in the Radcliffe Library at the Museum.

Regius Professor of Medicine—H. W. Acland, M.D., LL.D., F.R.S.
Professor of Geometry—H. S. Smith, M.A., F.R.S.
Professor of Natural Philosophy—Rev. B. Price, M.A., F.R.S.
Professor of Experimental Physics—S. Clifton, M.A., F.R.S.
Linacre Professor of Physiology—G. Rolleston, M.D., F.R.S.
Professor of Chemistry—W. Odling, M.A., F.R.S.
Professor of Zoology—J. O. Westwood, M.A., F.L.S.
Professor of Geology—J. Prestwich, M.A., F.R.S.
Professor of Botany—M. Lawson, M.A.
Professor of Mineralogy—N. S. Maskelyne, M.A., F.R.S.
Lee's Reader in Anatomy—J. B. Thompson, B.A.
Lee's Reader in Physics, Christ Ch.—R. E. Baynes, M.A.
Lee's Reader in Chemistry, Christ Ch.—A. G. V. Harcourt, M.A.
Lecturer in Natural Science, Exeter Coll.—W. L. Morgan, B.A.
Lecturer in Natural Science, Balliol—W. W. Fisher, M.A.
Millard Lecturer in Physics, Trinity—A. Macdonell, B.A.
Lecturers in Natural Science, Magdalen—E. Chapman, M.A., and C. J. F. Yule, M.A.
Lecturer in Natural Science, St. John's—W. H. Jackson, M.A.
Lecturer in Physical Science, Jesus—E. Chapman, M.A.
Lecturer in Natural Science, Keble—W. F. Donkin, M.A.
Demonstrator in Anatomy—Charles Robertson, Esq.
Demonstrator in Chemistry—W. W. Fisher, M.A.
Public Analyst in Sanitary Laboratory—W. F. Donkin, M.A.

### UNIVERSITY OF CAMBRIDGE.

The student must enter at one of the Colleges, or as a non-collegiate student, and keep terms for three years by residence in the University. He must pass the Previous Examination in Classics and Mathematics, which may be done in the first or second term of residence, or, through the Oxford and Cambridge Schools Examination Board or the Local Examinations, before commencing residence. He may then devote himself to medical study in the University, attending the hospital and the medical lectures, dissecting, &c. Or he may proceed to take a degree in Arts, either continuing mathematical and classical study, and passing the ordinary examinations for B.A., or going out in one of the Honour Triposes. The Natural Science Tripos is preferred by most medical students, some of the subjects for this Tripos examination (Chemistry, Botany, Human and Comparative Anatomy, and Physiology) forming part of the series of medical study.

The expenses of residence, lectures, &c., at a college are about £150 per annum; but these are in many cases lessened by scholarships, ranging in value from £20 to £80 a year, which are very numerous, and obtainable by most students of industry and ability. They are chiefly given for mathematical and classical proficiency. Some may be obtained at once, even before entering; and notices of the examinations for these are given from time to time under the head of "University Intelligence" in *The Times* and other newspapers. Scholarships are given for Natural Science in Trinity, St. John's, St. Peter's, Clare, Christ's, Sydney,

Pembroke, Caius, and Downing Colleges; the examinations being at Easter, also in June and October.[2]

Non-collegiate students can reside at less expense (£80 or £90 a year) than those who enter a College. They are allowed to attend certain of the College lectures and all the professors' lectures, and have the same University status and privileges as the other students. They are under the superintendence of the Rev. R. B. Somerset, Oxford House, Cambridge, from whom further information may be obtained.

For the degree of *Bachelor in Medicine* five years of medical study are required, except in the case of medical students who have graduated with honours as Bachelors of Arts, four years being then sufficient. This time may be spent in Cambridge or elsewhere. The earlier portion of it is usually spent in Cambridge, the student remaining in the University till he has passed the examination for the Natural Sciences Tripos and the first and second examinations for M.B.

There are three examinations for M.B. The *first* in Chemistry and other branches of Physics, and Botany. The *second* in Anatomy and Physiology (Human and Comparative), and Pharmacology. The *third* (at the conclusion of medical study) in Medicine, Surgery, Midwifery, and Medical Jurisprudence. The examinations are partly in writing and partly oral, in the hospital, in the dissecting-room, and in the laboratories. They take place twice annually (in June and December).

An Act has to be kept, which consists in reading an original thesis and passing a *viva voce* examination on the subject of the thesis and on other subjects.

Previously to the first examination, lectures must have been attended on Chemistry (with manipulations) and Botany. Previously to the second examination, the student must have attended lectures on Human Anatomy and Physiology, Comparative Anatomy, Materia Medica and Pharmacy, and Pathology; have Dissected one season; and attended Hospital Practice one year. Previously to the third examination, lectures must have been attended on Pathological Anatomy, the Principles and Practice of Physic, Clinical Medicine, Clinical Surgery, Midwifery (with ten cases), and Medical Jurisprudence; also Hospital Practice for three years. The candidate must also have been a clinical clerk, or have had special charge of patients in a hospital, dispensary, or parochial union, for six months.

The degree of *Doctor in Medicine* may be taken three years after M.B. An Act has to be kept, with *viva voce* examination; and an extempore essay has to be written on some subject relating to Physiology, Pathology, the Practice of Medicine, or State Medicine. A Master of Arts proceeding to M.D. is required to produce the same certificates and pass the same examinations as for M.B.

For the degree of *Master in Surgery* the candidate must have passed the three examinations for M.B., and have attended lectures on Human Anatomy (a second course), on the Principles and Practice of Surgery, Clinical Surgery; he must have dissected a second season, have attended the Surgical Practice at a recognised hospital for three years, and have held a house-surgeoncy or dressership for six months. He is then required to pass an examination in Surgical Anatomy, Pathology and the Principles and Practice of Surgery, and Clinical Surgery.

An examination in so much of State Medicine as is comprised in the functions of officers of health will be held yearly in Cambridge, beginning on the first Tuesday in October. Any person whose name is on the Medical Register of the United Kingdom may present himself for this examination provided he is twenty-four years of age. The examination will be in two parts. All applications for admission to this examination, or for information respecting it, should be addressed to Professor Liveing, Cambridge.

The following is a summary of the course which a student (commencing at the University, say, in October, 1879,) may follow:—He enters at any one of the colleges, or as a non-collegiate student, and passes the Previous Examination (in Classics and Mathematics) in October, 1879, or in April, 1880, unless he has already passed the equivalent examination under the Oxford and Cambridge Schools Examination Board. He is then registered as a student of medicine. Medical study in the University for two years. Natural Sciences Tripos examination (in Human and Comparative Anatomy, Chemistry, and Botany), June and December, 1882; this admits to B.A. degree in June, 1882. Second examination for M.B. (in Human Anatomy and Physiology, and Materia Medica), December, 1882, or May, 1883. Third examination for M.B. (in Medicine, Surgery, Midwifery, and Medical Jurisprudence), November, 1884; Examination for M.C. (in Surgical Anatomy, Pathology, and Surgery), November, 1884. Degree of M.B. or M.C., November, 1884. Part of the period of medical study is thus spent in Cambridge, and part (say after the second examination) in London or elsewhere.

Attendance at the hospital and on the lectures on Anatomy, Chemistry, &c., is recognised by the Universities of Cambridge and London, and by the College of Surgeons.

The students should remain in Cambridge during part of the long vacation (July and August) and part of the Christmas vacation, as well as during the terms.

[2] For an account of these Scholarships see THE LANCET of April 12th, 1862; and for an account of the Scholarships for Natural Sciences see *Nature* in the early part of each year. Further information may be obtained from the *Student's Handbook to the University*, published by Messrs. Deighton, Cambridge, price 1s. 6d.

## UNIVERSITY OF LONDON.

The *Matriculation Examination* will take place on Monday, January 12th, 1880.

The *Preliminary Scientific (M.B.) Examination* takes place once in each year, and commences on the third Monday in July.[3] No candidate will be admitted to this examination until he shall have completed his seventeenth year, and shall have either passed the Matriculation Examination or taken a degree in Arts in one of the Universities of Sydney, Melbourne, Calcutta, or Madras (provided that Latin was one of the subjects in which he passed); nor unless he have given notice of his intention to the registrar at least fourteen days before the commencement of the examination. Fee for this examination £5.

Candidates are examined on the following subjects:—Inorganic Chemistry, Experimental Physics, Botany and Vegetable Physiology, and Zoology. The examiners will publish a list of the candidates who have passed, arranged in two divisions, each in alphabetical order. And a pass certificate signed by the registrar will be delivered to each candidate who shall apply for it, after the report of the examiners shall have been approved by the Senate.

*Examination for Honours.*—Any candidate who has passed the Preliminary Scientific (M.B.) Examination may be examined at the Honours Examination next following the Preliminary Scientific Examination at which he has passed for honours in (1) Experimental Physics, (2) Chemistry, (3) Botany, and (4) Zoology, unless he have previously obtained an exhibition in any one of these subjects at the First B.Sc. Examination, in which case he shall not be admissible to the examination for honours in that subject.

*Bachelor of Medicine.*—Every candidate for the degree of Bachelor of Medicine will be required—1. To have passed the Matriculation Examination in this University (unless he has taken a degree in Arts in one of the Universities of Sydney, Melbourne, Calcutta, or Madras, and Latin was one of the subjects in which he passed). 2. To have passed the Preliminary Scientific Examination. 3. To have been engaged in his professional studies during four years subsequently to matriculation or graduation in Arts at one or more of the medical institutions or schools recognised by this University, one year at least of the four to have been spent in one or more of the recognised institutions or schools in the United Kingdom. 4. To pass two examinations in Medicine.

*First M.B. Examination.*—The First M.B. Examination takes place once in each year, and commences on the last Monday in July. No candidate shall be admitted to this examination unless he have passed the Preliminary Scientific Examination at least one year previously, and have produced certificates to the following effect:—1. Of having completed his nineteenth year. 2. Of having, subsequently to having passed the Matriculation Examination, or taken a degree in Arts in one of the before-named universities, been a student during two years at one or more of the medical institutions or schools recognised by this University, and of having attended a course of lectures on each of three of the subjects in the following list:—Descriptive and Surgical Anatomy, Histology and Physiology, Pathological Anatomy, Materia Medica and Pharmacy, General Pathology, General Therapeutics, Forensic Medicine,

[3] Candidates for the Degree of M.B. are strongly recommended by the Senate to pass the Preliminary Scientific Examination before commencing their regular medical studies, and to devote a preliminary year to preparation for it according to the following programme:—Winter Session: Experimental Physics, Chemistry (especially Inorganic), Zoology. Summer Session: Practic l Chemistry (Inorganic), Botany.

Hygiene, Obstetric Medicine and Diseases peculiar to Women and Infants, Surgery, Medicine. 3. Of having subsequently to having passed the Matriculation Examination, or taken a degree in Arts, Dissected during two winter sessions. 4. Of having, subsequently to having passed the Matriculation Examination or taken a degree in Arts, attended a course of Practical Chemistry, comprehending practical exercises in conducting the more important processes of General and Pharmaceutical Chemistry; in applying tests for discovering the adulteration of articles of the Materia Medica; and the presence and nature of Poisons; and in the examination of mineral waters, animal secretions, urinary deposits, calculi, &c. 5. Of having attended to Practical Pharmacy, and of having acquired a practical knowledge of the Preparation of Medicines. These certificates (as is the case also with all the certificates hereinafter mentioned) must be transmitted to the registrar at least fourteen days before the commencement of examination. Fee for this examination, £5.

Candidates will be examined in the following subjects: Anatomy, Histology and Physiology, Materia Medica and Pharmaceutical Chemistry, Organic Chemistry. Candidates will not be approved by the examiners unless they have shown a competent knowledge in all the subjects of examination.

*Examination for Honours.* — Any candidate who has passed the First M.B. Examination may be examined at the Honours Examination next following the First M.B. Examination at which he passed, for Honours in (1) Anatomy, (2) Histology and Physiology, (3) Organic Chemistry, and (4) Materia Medica and Pharmaceutical Chemistry. The examinations take place in the week following that in which the Pass Examination commenced. They are conducted by means of printed papers; but the examiners will not be precluded from putting *viva voce* questions upon the written answers of the candidates when they appear to require explanation.

If, in the opinion of the examiners, sufficient merit be evinced, the candidate who shall distinguish himself the most in Anatomy, and the candidate who shall distinguish himself the most in Histology and Physiology, will each receive an exhibition of £40 per annum for the next two years, payable in quarterly instalments; the candidate who shall distinguish himself the most in Organic Chemistry, and the candidate who shall distinguish himself the most in Materia Medica and Pharmaceutical Chemistry, will each receive an exhibition of £30 per annum for the next two years, payable in quarterly instalments; provided that on receiving each instalment he shall declare his intention of presenting himself at the Second M.B. Examination within three academical years from the time of his passing the First M.B. Examination. Under the same circumstances, the first and second candidates in Anatomy and in Histology and Physiology, and the first candidate in Organic Chemistry and in Materia Medica and Pharmaceutical Chemistry, will each receive a gold medal of the value of £5.

*Second M.B. Examination.*[4]—The Second M.B. Examination takes place once in each year, and commences on the first Monday in November. No candidate is admitted to this examination within two academical years of the time of his passing the First Examination, nor unless he has produced certificates to the following effect:—1. Of having passed the First M.B. Examination. 2. Of having, subsequently to having passed the First M.B. Examination, attended a course of lectures on each of two of the subjects enumerated in section 2 of the regulations for that examination, and for which the candidate had not on that occasion presented certificates. 3. Of having conducted at least twenty labours. Certificates on this subject will be received from any legally qualified practitioner in medicine. 4. Of having attended the Surgical Practice of a recognised hospital or hospitals during two years, with clinical instruction and lectures on Clinical Surgery. 5. Of having attended the Medical Practice of a recognised hospital or hospitals during two years, with clinical instruction and lectures on Clinical Medicine. 6. Of having, after having attended Surgical and Medical Hospital Practice for at least twelve months subsequently to passing the First M.B. Examination, attended to Practical Medicine, Surgery, or Obstetric Medicine, with special charge of patients, in a hospital, infirmary, dispensary, or parochial union, during six months, such attendance not to be counted as part of either the Surgical or the Medical Hospital Practice prescribed in Clauses 4 and 5. 7. Of having acquired proficiency in Vaccination. Certificates on this subject will be received only from the authorised vaccinators appointed by the Privy Council. The candidate must also produce a certificate of moral character from a teacher in the last school or institution at which he has studied, as far as the teacher's opportunity of knowledge has extended. The fee for this examination is £5.

Candidates will be examined in the following subjects:—General Pathology, General Therapeutics and Hygiene, Surgery, Medicine, Obstetric Medicine, Forensic Medicine. The examinations will include questions in Surgical and Medical Anatomy, Pathological Anatomy, and Pathological Chemistry. Candidates will not be approved by the examiners unless they have shown a competent knowledge in all the subjects of examination.

*Examination for Honours.*—Any candidate who has passed the Second M.B. Examination may be examined at the Honours examination next following the Second M.B. Examination at which he has passed, for Honours in (1) Medicine, (2) Obstetric Medicine, and (3) Forensic Medicine. The examinations commence in the week following that in which the Pass Examination commenced. Except in the case of Forensic Medicine they are conducted by means of printed papers, but the examiners will not be precluded from putting *viva voce* questions upon the written answers of the candidates when they appear to require explanation.

If, in the opinion of the examiners, sufficient merit be evinced, the candidate who shall distinguish himself the most in Medicine will receive £50 per annum for the next two years, with the style of University Scholar in Medicine. Under the same circumstances the candidate who shall distinguish himself the most in Obstetric Medicine will receive £30 per annum for the next two years, with the style of University Scholar in Obstetric Medicine. Under the same circumstances, the candidate who shall distinguish himself the most in Forensic Medicine will receive £30 per annum for the next two years, with the style of University Scholar in Forensic Medicine. Under the same circumstances, the first and second candidates in each of the preceding subjects will each receive a gold medal of the value of £5.

*Bachelor of Surgery.*—The examination for the degree of Bachelor of Surgery takes place once in each year, and commences on the Tuesday following the fourth Monday in November. No candidate will be admitted to this examination unless he have produced certificates to the following effect:—1. Of having passed the Second Examination for the degree of Bachelor of Medicine in this University. 2. Of having attended a course of instruction in Operative Surgery, and of having operated on the dead subject. Fee for this examination, £5.

Any candidate who has passed the B.S. Examination may be examined at the Honours Examination next following the B.S. Examination at which he has passed, for Honours in Surgery. The examination takes place on Tuesday in the week following the Pass Examination, in the morning from 10 to 1, and in the afternoon from 3 to 6; and is conducted by means of printed papers. If in the opinion of the examiners sufficient merit be evinced, the candidate who shall distinguish himself the most will receive £50 per annum for the next two years, with the style of University Scholar in Surgery. Under the same circumstances, the first and second candidates will each receive a gold medal of the value of £5.

*Master in Surgery.*—The examination for the degree of Master in Surgery takes place once in each year, and commences on the fourth Monday in November.

No candidate will be admitted to this examination unless he have produced certificates to the following effect:—1. Of having taken the degree of Bachelor of Surgery in this University. (Candidates who have obtained the degree of Bachelor of Medicine previously to 1866 will be admitted to the examination for the degree of Master in Surgery without having taken the degree of Bachelor of Surgery; and in the case of such candidates the attendance on surgical practice required by regulation 2 may commence from the date of the M.B. degree.) 2. Of having attended, subsequently to having taken the degree of Bachelor of Surgery in this University, (*a*) To Clinical or Practical Surgery during two years in a hospital or medical institution recognised by this Uni-

[4] Any candidate for the Second M.B. Examination who has passed the First M.B. Examination under the former regulations, will be required to have also passed the examination in Physiology at some previous First M.B. Examination carried on under the present regulations, at which examination he shall not be allowed to compete for Honours.

versity. (*b*) Or to Clinical or Practical Surgery during one year in a hospital or medical institution recognised by this University, and of having been engaged during three years in the practice of his profession. (*c*) Or of having been engaged during five years in the practice of his profession, either before or after taking the degree of Bachelor of Surgery in this University. One year of attendance on Clinical or Practical Surgery, or two years of practice, will be dispensed with in the case of those candidates who at the B.S. Examination have been placed in the first division. 3. Of moral character, signed by two persons of respectability. Fee for the degree of Master in Surgery, £5. The examination is conducted by means of printed papers and *viva voce* interrogation.

Candidates will be examined in Logic, Psychology, and Surgery. Candidates will not be approved by the examiners unless they have shown a competent knowledge in both the subjects of examination.

If in the opinion of the examiners sufficient merit be evinced, the candidate who shall distinguish himself the most in Surgery at the examination for the degree of Master in Surgery will receive a gold medal of the value of £20.

*Doctor of Medicine.*—The examination for the degree of Doctor of Medicine takes place once in each year, and commences on the fourth Monday in November.

No candidate will be admitted to this examination unless he have produced certificates to the following effect:—1. Of having passed the Second Examination for the degree of Bachelor of Medicine in this University. 2. Of having attended, subsequently to having taken the degree of Bachelor of Medicine in this University, (*a*) to Clinical or Practical Medicine during two years in a hospital or medical institution recognised by this University; or (*b*) to Clinical or Practical Medicine during one year in a hospital or medical institution recognised by this University, and of having been engaged during three years in the practice of his profession. (*c*) Or of having been engaged during five years in the practice of his profession, either before or after taking the degree of Bachelor of Medicine in this University. One year of attendance on Clinical or Practical Medicine or two years of practice will be dispensed with in the case of those candidates who at the Second M.B. Examination have been placed in the first division. 3. Of moral character, signed by two persons of respectability. The fee for the degree of Doctor of Medicine is £5. The examination is conducted by means of printed papers and *viva voce* interrogation.

Candidates will be examined in Logic and Psychology and Medicine. Candidates will not be approved by the examiners unless they have shown a competent knowledge in both the subjects of examination. If in the opinion of the examiners sufficient merit be evinced, the candidate who shall distinguish himself the most in Medicine at the examination for the M.D. degree will receive a gold medal of the value of £20.

A certificate under the seal of the University, and signed by the Chancellor, will be delivered at the public presentation for degrees to each candidate who has passed.

## UNIVERSITY OF DURHAM.

There are two licences and three degrees conferred—viz., a licence in Medicine and a licence in Surgery; and the degrees of Bachelor of Medicine, Master in Surgery, and Doctor of Medicine. A certificate of proficiency in Sanitary Science is also awarded.

For the degree of *Bachelor of Medicine* there are two professional examinations; the first being held at the end of the winter session, the second during the summer session. In 1880 the first will commence on April 19th, and the second on June 14th.

The subjects for the first examination are—Anatomy, Physiology, Chemistry, and Botany. Candidates must produce the following certificates:—(1) Of registration as a medical student. (2) Of having passed one of the following examinations in Arts: (*a*) the examination for graduation in Arts at one of the following universities—Oxford, Cambridge, Durham, Dublin, London, Queen's (Ireland), Edinburgh, Glasgow, St. Andrews, Aberdeen, Calcutta, Madras, Bombay, McGill College (Montreal), and Queen's College (Kingston); or (*b*) the Preliminary or Extra-professional examination for graduation in Medicine at one of the following universities—London, Edinburgh, Glasgow, St. Andrews, Aberdeen, and Queen's (Ireland); or (*c*) the Preliminary Examination in Arts qualifying for the membership of the Royal College of Physicians of London or for the fellowship of the Royal College of Surgeons of England. (Candidates who, at the commencement of their professional education, passed the Arts examination for registration only, may pass in the extra subjects required for the M.B. Durham either before or after presenting themselves for the first examination for the degree, but must do so before presenting themselves for the final examination. (3) Of attendance on two courses of Anatomy, on one of Physiology, on one of Theoretical and one of Practical Chemistry, and on one of Botany; of twelve months' dissection; and of attendance on a course of Practical Physiology of not less than thirty lessons.

The subjects for the Second Examination are Medicine, Surgery, Pathology, Materia Medica and Therapeutics, and Midwifery and Diseases of Women and Children. For it candidates must produce the following certificates—viz., (1) of being not less than twenty-one years of age; (2) of good moral character; and (3) of attendance on the remainder of the course of medical and surgical study as prescribed by the Royal College of Surgeons of England, together with the following additional subjects—viz., one course of lectures on Medicine, one on Therapeutics, and one on Public Health, and on Medical Hospital Practice, with Clinical Lectures during one winter and one summer session. There must be proof that the whole course of professional study has occupied at least four years.

N.B.—It is required that one of the four years of professional education shall be spent in attendance at the College of Medicine, Newcastle-upon-Tyne. During the year so spent the candidate must attend at least two courses of lectures in the winter session and two in the summer session, together with the class and test examinations held in connexion with those classes, and must also attend hospital practice and clinical lectures at the infirmary during the same period. Candidates may fulfil this portion of the curriculum at any period before they present themselves for the Final Examination for the degree, but are strongly recommended to do so previously to the First Examination. They are not required to reside at Durham. The other three years of the curriculum may be spent either at Newcastle-upon-Tyne or at one or more of the schools recognised by the licensing bodies named in Schedule A of the Medical Act, 1858. Candidates who are already qualified by other of the licensing bodies are required to attend for one winter and one summer session at the College of Medicine, Newcastle-upon-Tyne, in the manner indicated in the preceding paragraph.

For the degree of *Master in Surgery* the regulations are the same as those for the degree of Bachelor of Medicine, but the Final Examination is devoted more particularly to Surgery.

For the degree of *Doctor of Medicine* candidates must be not less than twenty-four years of age, must have obtained the degree of Bachelor of Medicine at least two years previously, and in the interim have been engaged in medical or surgical practice. Each candidate will be required to write an essay on some medical subject selected by himself and approved by the Professor of Medicine, and to pass an examination thereon, and must be prepared to answer questions on the other subjects of his curriculum in so far as they are related to the subject of his essay.

Candidates for any of the above degrees must give at least twenty-five days' notice to the Registrar of the College, sending at the same time the fee and the necessary certificates.

*The Degree of Doctor of Medicine, for Medical Practitioners of fifteen years' standing, without residence.*—The Warden and Senate of the University of Durham, with the view of affording to practitioners of fifteen years' standing an opportunity of obtaining the degree of Doctor of Medicine, have instituted a Special Examination, under the following regulations:—1. That the candidate shall be registered by the General Council of Medical Education and Registration of the United Kingdom. 2. That the candidate shall have been in the active practice of his profession for fifteen years as a qualified practitioner. 3. That the candidate shall not be under forty years of age. 4. That the candidate shall produce a certificate of moral character from three registered members of the medical profession. 5. That if the candidate shall not have passed, previous to his Professional Examination (in virtue of which he has been placed on the Register), an examination in Arts, he shall be

required to pass an examination in Classics and Mathematics. The subjects for this examination shall be as follows:—(1) An English Essay. (A short essay on some subject to be specified at the time of the examination.) (2) Arithmetic. (3) Euclid—books i. and ii. (4) Latin—Translation from Virgil, Æneid, books i. and ii., together with grammatical questions. (5) One of the following subjects:—*a*, Greek—Translation from Xenophon's Memorabilia, books i. and ii., with grammatical questions; *b*, French—Translation from Voltaire's Charles XII., with grammatical questions; *c*, German—Translation from Goethe's "Dichtung und Wahrheit," book i., with grammatical questions; *d*, Elements of Mechanics, Pneumatics, and Hydrostatics; *e*, some Treatise on Moral, Political, or Metaphysical Philosophy. 6. That if the candidate shall have passed, previous to his Professional Examination (in virtue of which he has been placed on the Register), a preliminary examination, he shall be required to translate into English passages in any of the parts specified below of any one of the Latin authors mentioned: Cæsar—De Bello Gallico, first three books; Virgil—first three books of the Æneid; Celsus—first three books. (The candidate may choose for himself any one of these three authors on whose works to be examined.) The candidate shall have an opportunity of showing proficiency in Greek, Moral Philosophy, or some modern language. 7. That the candidate shall be required to pass an examination in the following subjects: *a*, Principles and Practice of Medicine, including Psychological Medicine, and Hygiene; *b*, Principles and Practice of Surgery; *c*, Midwifery and Diseases peculiar to Women and Children; *d*, Pathology, Medical and Surgical; *e*, Anatomy, Medical and Surgical; *f*, Medical Jurisprudence and Toxicology; *g*, Therapeutics. 8. That the fee shall be 50 guineas. 9. That, if the candidate shall fail to satisfy the examiners, the sum of 20 guineas shall be retained; but that, if he shall again offer himself for the examination, the sum of 40 guineas only shall then be required.

An examination, in accordance with the above regulations, will commence on June 14th, 1880, in the College of Medicine, Newcastle-on-Tyne. Gentlemen intending to offer themselves as candidates are requested to forward their names to Dr. Luke Armstrong, registrar of the University of Durham College of Medicine, Newcastle-on-Tyne, on or before May 1st, 1880, together with the fee and the beforementioned certificates.

*Certificate of Proficiency in Sanitary Science.*—The warden and senate of the University of Durham, in recognition of the importance, that medical officers of health, or those seeking appointments as such, should possess a proof of their special acquirements, have instituted examinations in State Medicine, by which the successful candidates will be entitled to receive a certificate of proficiency in Sanitary Science.

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## UNIVERSITY OF EDINBURGH.

The session 1879–80 will be opened on October 28th.

Three medical degrees are conferred by the University of Edinburgh—namely, Bachelor of Medicine (M.B.), Master in Surgery (C.M.), and Doctor of Medicine (M.D). The degree of Master in Surgery is not conferred on any person who does not also at the same time obtain the degree of Bachelor of Medicine. All candidates for these degrees must give evidence of having obtained a satisfactory general education.

1. The preliminary branches of extra-professional education are English, Latin, Arithmetic, the Elements of Mathematics, and the Elements of Mechanics; and the proficiency of students in these branches is ascertained by examination prior to the commencement of their medical study.

2. No candidate is admitted to a professional examination who has not passed a satisfactory examination on at least two of the following subjects (in addition to the subjects mentioned above):—Greek, French, German, Higher Mathematics, Natural Philosophy, Logic, Moral Philosophy; and the examination on these latter subjects also takes place before the candidate has entered on his medical curriculum.

3. A degree in Arts (not being an honorary degree) in any one of the universities of England, Scotland, or Ireland, or in any foreign or colonial university specially recognised for this purpose by the University Court, exempts from all preliminary examination; and an examination in Arts by any corporate body, whose examination has been recognised as qualifying for entrance on medical study by resolution of the General Medical Council of the United Kingdom, provided the said examination by the said corporate body shall also be approved by the University Court, shall exempt *pro tanto* from preliminary examination in Arts, on the subjects comprised in the examination of the said corporate body.

4. No one is admitted to the degree of Bachelor of Medicine or Master in Surgery who has not been engaged in medical and surgical study for four years—the medical session of each year, or *annus medicus*, being constituted by at least two courses of not less than one hundred lectures each, or by one such course and two courses of not less than fifty lectures each; with the exception of the clinical courses, in which lectures are to be given at least twice a week during the prescribed periods.

5. Every candidate for the degrees of M.B. and C.M. must give sufficient evidence by certificates—1. That he has studied each of the following departments of medical science—namely, Anatomy, Chemistry, Materia Medica, Institutes of Medicine or Physiology, Practice of Medicine, Surgery, Midwifery and the Diseases peculiar to Women and Children, and General Pathology, each during courses including not less than one hundred lectures; Practical Anatomy, a course of the same duration as those of not less than one hundred lectures; Practical Chemistry, three months; Practical Midwifery, three months at a midwifery hospital, or a certificate of attendance on six cases from a registered medical practitioner; Clinical Medicine, Clinical Surgery,[5] courses of the same duration as those of not less than one hundred lectures, or two courses of three months' lectures, being given at least twice a week; Medical Jurisprudence, Botany, Natural History (including Zoology), during courses including not less than fifty lectures. 2. That he has attended, for at least two years, the medical and surgical practice of a general hospital which accommodates not fewer than eighty patients, and possesses a distinct staff of physicians and surgeons. 3. That he has been engaged, for at least three months, by apprenticeship or otherwise, in compounding and dispensing drugs at the laboratory of a hospital, dispensary, member of a surgical college or faculty, licentiate of the London or Dublin Society of Apothecaries, or a member of the Pharmaceutical Society of Great Britain. 4. That he has attended, for at least six months, by apprenticeship or otherwise, the out-practice of a hospital, or the practice of a dispensary, physician, surgeon, or member of the London or Dublin Society of Apothecaries.

6. Students of Medicine in the London schools, and in the school of the College of Surgeons in Dublin, can obtain there two *anni medici* out of the four required for the Edinburgh degrees in Medicine. One *annus medicus* may be constituted by attendance on Practical Anatomy and Hospital Practice during the winter session. Another *annus medicus* by attending either (*a*) full winter courses on any two of the following subjects:—Anatomy, Physiology, Chemistry, Pathology, Surgery, Medicine, Clinical Surgery, Clinical Medicine; or (*b*) on one such course and three months' courses on any two of the following subjects:—Botany, Practical Chemistry, Natural History, Medical Jurisprudence. If the student selects the arrangement prescribed in (*a*), certificates of attendance on either a third winter course, or a third three months' course, will also be accepted by this University. The other subjects, and the additional courses, not given in London or Dublin, required for the degrees of the University, will have to be attended at this University. In provincial schools, where there are no lecturers recognised by the University Court, a candidate can only have one *annus medicus*, and this is constituted by attendance on a qualified hospital along with a course of Practical Anatomy. All candidates not students of the University, availing themselves of the permission to attend the lectures of extra-academical teachers in Edinburgh must, at the commencement of each year of such attendance, enrol their names in a book to be kept by the University for that purpose, paying a fee of the same amount as the matriculation fee paid by students of the University, and having, in respect of such payment, a right to the use of the library of the University. The fee for attendance on the lectures of an extra-academical teacher in Edinburgh, with a view to graduation, must be of the same amount as that exigible by medical professors in the University. No teacher is recognised who is at the same

[5] The Medical Faculty recommend that medical students should not attend Clinical Surgery during their first six months' attendance on Clinical Medicine.

time a teacher of more than one of the prescribed branches of study, except in those cases where professors in the University are at liberty to teach two branches. It is not necessary for any teacher, attendance on whose lectures is now recognised for the purpose of graduation in the University, to obtain a new recognition from the University Court; and attendance on the lectures of every such teacher will continue to be recognised as heretofore. It is in the power of the University Court, if they shall see cause, at any time to withdraw or suspend the recognition of any teacher or teachers.

7. Every candidate must deliver, before the 31st day of March of the year in which he proposes to graduate, to the Dean of the Faculty of Medicine, a declaration, in his own handwriting, that he has completed his twenty-first year, or that he will have done so on or before the day of graduation, and that he will not be, on the day of graduation, under articles of apprenticeship to any surgeon or other master; together with a statement of his studies, as well in Literature and Philosophy as in Medicine, accompanied with proper certificates.

8. Each candidate is examined, both in writing and orally, on Chemistry, Botany, and Natural History; on Anatomy, Institutes of Medicine, Materia Medica (including Practical Pharmacy), and Pathology; on Surgery, Practice of Medicine, Midwifery, and Medical Jurisprudence; clinically on Medicine and on Surgery in a hospital. The examinations on Anatomy, Chemistry, Institutes of Medicine, Botany, Natural History, Materia Medica, and Pathology are conducted, as far as possible, by demonstrations of objects placed before the candidates.

9. Students who profess themselves ready to submit to an examination on the first division of these subjects, at the end of their second year, may be admitted to examination at that time. Provided always that students who commence their medical studies in the summer session, and who profess themselves ready to submit to an examination on the first division of these subjects at the beginning of their second winter session may be admitted to examination at that time on condition that they produce certificates of attendance on at least two classes during each of two summer sessions and one winter session; and on the further condition that they shall not be admitted to a degree in Medicine unless their course of study, subsequent to the completion of the summer session in which they commence their medical studies, shall not be less than the minimum course of four years prescribed in Section 4 hereof.

10. Students who have passed their examination on the first division of these subjects may be admitted to examination on the second division at the end of their third year.

11. The examination on the third and fourth divisions cannot take place until the candidate has completed his fourth *annus medicus*.

12. Candidates may, if they choose, be admitted to examination on the first two of these divisions at the end of their third year, or to the four examinations at the end of their fourth year.

13. If any candidate at these examinations be found unqualified, he cannot be again admitted to examination unless he has studied, during another year, two of the prescribed subjects, either in the University or in some other school of medicine.

14. After the candidate has satisfied the medical examiners, the Dean will lay the proceedings before the Senatus Academicus, by whose authority the candidate will be admitted on the first day of August, or, if that day be Sunday, then on the following day, to the degree of M.B., or to the degrees of M.B. and of C.M.

15. The degree of Doctor of Medicine may be conferred on any candidate who has obtained the degree of Bachelor of Medicine, and who is of the age of twenty-four years, and produced a certificate of having been engaged, subsequently to his having received the degree of M.B. for at least two years in attendance on a hospital, or in the military or naval medical services, or in medical and surgical practice; provided always that the degree of M.D. shall not be conferred on any person, unless he be a graduate in Arts of one of the universities of England, Scotland, or Ireland, or of such other universities as are above specified, or unless he shall, before or at the time of his obtaining the degree of M.B., or thereafter, have passed a satisfactory examination on *three* of the subjects mentioned in Section II. of the statutes relative to preliminary examination. Two of these must be Greek, and Logic or Moral Philosophy, and the third is to be one of the following subjects at the option of the candidate—namely, French, German, higher Mathematics, and Natural Philosophy, and provided also that the candidate for the degree of M.D. shall submit to the Medical Faculty a thesis, certified by him to have been composed by himself, and which shall be approved by the Faculty, on any branch of knowledge comprised in the professional examinations for the degree of M.B., which he may have made a subject of study after having received that degree. The candidate must lodge his thesis with the Dean on or before 30th April of the year in which he proposes to graduate. No thesis will be approved by the Medical Faculty which does not contain either the results of original observations in practical medicine, surgery, midwifery, or in some of the sciences embraced in the curriculum for the Bachelor's degree; or else a full digest and critical exposition of the opinions and researches of others on the subject selected by the candidate, accompanied by precise references to the publications quoted, so that due verification may be facilitated.

16. Persons who began their medical studies before the 4th of February, 1861, are entitled to graduate under the system in force before or after that date, according as they may comply with the regulations in force in the University before or after that date.

The Preliminary Examinations in General Education are held in the Upper Library Hall, and students matriculated for the academic year are admitted on presenting their matriculation tickets at the door. Students matriculated for the summer only and non-matriculated students pay a fee of 10s. each, and are admitted on showing their receipts. Those who pay the fee in March will be admitted to the examination in October without further payment. Payment in October does not exempt from payment in March. The academic year is reckoned from 1st of November to 1st of November. Examinations on the preliminary branches of extra-professional education will take place on the 7th, 8th, 9th, and 10th, October, 1879; and on the 9th, 10th, 11th, and 12th March, 1880.

The fees for M.B. £15 15s. Total fees and stamp for graduating as M.D. only, by regulations for students commencing before February, 1861, £25. The fees for examination must be paid at the secretary's office ten days before the dates thereof, and the fees for the degrees of C.M. and M.D., and the stamp-duty for the latter, must be paid on or before the 15th day of July in the year of graduation. In the event of the candidate not passing any one of the professional examinations, the fee is not returned; but he may appear at one subsequent examination without paying an extra fee, and at any future examination on paying one half the fee.

## UNIVERSITY OF GLASGOW.

Three degrees in Medicine are granted—viz., Bachelor of Medicine, Master in Surgery, and Doctor of Medicine. The curricula of study and the examinations for the several degrees conferred are nearly the same as in the University of Edinburgh. The annual term for conferring medical and surgical degrees is the 1st of August. The Preliminary Examinations of medical students in branches of general education take place on the 8th of October, 1879, and on the 1st of April, 1880.

The fees for the degrees are the same as in the University of Edinburgh.

The regulations under which the above degrees are granted and the notices of the subjects of examination may be obtained by application to the assistant clerk of Senate of the University.

*Bursaries tenable by Medical Students.* — The Brisbane Bursary, of £50 yearly, held for four years by a student of medicine who is a Master of Arts. The Walton Bursary, of £36 yearly, held by a medical student (a native of England being preferred) for four years. The Logan Bursary, of £16 yearly, tenable by a medical student for four years. Two Rainy Bursaries, value £20 per annum each, open to medical students who have just completed the second year of professional study, and tenable for two years. The Armagh Bursaries, three in number, amounting each to £25 yearly, for three years, open to students of Divinity, Law, and Medicine, who have taken the degree of M.A. The Macfarlane Bursary, value £40 per annum, and tenable for three years, open to students who have attended the first session of their professional study in the University of Glasgow,

and who have passed in all the seven subjects of the Preliminary Examination for M.B. The Marshall Bursary, value £17 per annum, and tenable for four years, open to students entering the Medical Faculty, and awarded by competition on the subjects of the Preliminary Examination. The Lorimer Bursary, value £50 per annum, tenable by a medical student for three years.

## UNIVERSITY OF ABERDEEN.

The curricula for the several degrees conferred are nearly the same as in the University of Edinburgh.

Professional Examinations will be held twice in each year—namely, in April and July, directly after the close of the winter and summer sessions.

The fees for graduation are the same as in the University of Edinburgh. Matriculation fee, including all dues, for the winter and summer sessions, £1; summer session alone, 10*s*.

Candidates who commenced their medical studies before November, 1861, are entitled to appear for examination for the degree of M.D. after four years' study, one of which must have been in the University of Aberdeen.

Besides the Royal Infirmary, students have the opportunity of attending the following institutions:—General Dispensary, and Lying-in and Vaccine Institutions, daily; Royal Lunatic Asylum; Eye Institution, in which is given clinical instruction on the Diseases of the Eye, and on the Application of the Ophthalmoscope for their diagnosis.

Application for further information should be addressed to Professor Brazier, Secretary to the Medical Faculty.

## UNIVERSITY OF ST. ANDREWS.

Three degrees in Medicine are granted—namely, Bachelor of Medicine (M.B.), Master in Surgery (C.M.), and Doctor of Medicine (M.D.) The curricula for these degrees, and the regulations under which they are conferred, differ from those of the University of Edinburgh only in the particulars noticed below.

The degree of *Doctor of Medicine* may be conferred by the University of St. Andrews on any registered medical practitioner above the age of forty years whose professional position and experience are such as, in the estimation of the University, to entitle him to that degree, and who shall, on examination, satisfy the medical examiners of the sufficiency of his professional knowledge; provided always that degrees will not be conferred, under this section, to a greater number than ten in any one year. The examinations are held yearly, towards the end of April. Candidates must lodge with the Dean of the Medical Faculty the following certificates, along with application for admission to examination:—1. A certificate of age, being a baptismal certificate or an affidavit of age. 2. Holograph certificates from at least three medical men of acknowledged reputation in the medical profession or in the medical schools, recommending the candidate to the Senatus for the degree, and testifying to his professional skill and position. As only ten can graduate yearly, candidates will be selected whose service and certificates seem to the Medical Faculty to present the highest professional claims, and where these seem equal preference will be given to age and priority of application. 3. Candidates, when notified for examination, shall remit a portion of the graduation fee (viz., £10 10*s*.) This sum shall be forfeited should the candidate fail to appear, or to graduate, at the time appointed. 4. A satisfactory examination, written and *viva voce*, must be passed in the following departments—viz., Materia Medica and General Therapeutics, Medical Jurisprudence, Practice of Medicine and Pathology, Surgery, Midwifery and Diseases of Women and Children.

No one will be received as a candidate for the degree of *Bachelor of Medicine* or *Master in Surgery* unless two years at least of his four years of medical and surgical study shall have been in one or more of the following universities or colleges—viz., the Universities of St. Andrews, Glasgow, Aberdeen, Edinburgh, Oxford, and Cambridge; Trinity College, Dublin; Queen's College, Belfast; Queen's College, Cork; and Queen's College, Galway.

Subject always to the condition here specified, the studies for candidates for the degrees of Bachelor of Medicine and Master in Surgery will be under the following regulations: The remaining years of medical and surgical study may be either in one or more of the universities and colleges above specified, or in the hospital schools of London, or in the school of the College of Surgeons of Dublin, or under such private teachers of medicine as may from time to time receive recognition from the University Court. Attendance during at least six winter months on the medical or surgical practice of a general hospital which accommodates at least eighty patients, and during the same period on a course of Practical Anatomy may be reckoned as one of such remaining years. Attendance on the lectures of any private teacher in Edinburgh, Glasgow, or Aberdeen, will not be reckoned for graduation in St. Andrews, if the fee for such lectures be of less amount than is charged for the like course of lectures in the University of Edinburgh, of Glasgow, or of Aberdeen, according as the teacher lectures in those places respectively.

Every candidate for examination for the degrees of M.B. and C.M. is required to lodge a declaration of age, a statement of his course of study, his inaugural dissertation, and all his certificates, with the Dean of the Medical Faculty, on or before the 25th of March in each year.

No candidate offering himself for examination on the first two divisions of the subjects specified in Clause 12 of the regulations will be considered to have passed in the second if he fails in the first; and no candidate offering himself for examination on the three divisions shall be considered to have passed in the third if he fails either in the first or second division.

Every candidate who fails to pass in any of the divisions will, for a first failure in any and each of the divisions, forfeit the sum of £2 2*s*., and £1 1*s*. for every subsequent failure in each.

## UNIVERSITY OF DUBLIN (TRINITY COLLEGE).

*Matriculation.*—All students in the School of Physic intending to practise Physic must be matriculated, for which a fee of 5*s*. is payable. No student can be admitted for the winter course after Nov. 25th.

*Previous Medical Examination.*—Candidates for degrees and licences in Medicine and Surgery are rebuired to pass a previous examination in Physics, Chemistry, Botany, Materia Medica and Pharmacy, and Descriptive Anatomy, and Institutes of Medicine (Practical Histology and Physiology) previous to their degree examination.

*Bachelor in Medicine.*—A candidate for the degree of Bachelor in Medicine must be a graduate in Arts, and may obtain the degree of Bachelor in Medicine at the same commencement as that at which he receives his degree of B.A., or at any subsequent commencement. The medical education of a Bachelor in Medicine is of four years' duration, and comprises attendance on a single course of each of the following lectures:—Anatomy, Practical Anatomy, Surgery, Chemistry, Materia Medica and Pharmacy, Institutes of Medicine, Practice of Medicine, Midwifery, Botany, Medical Jurisprudence, Heat, Electricity, Magnetism, Comparative Anatomy. Three courses of nine months' attendance on the clinical lectures of Sir Patrick Dun's or other metropolitan hospital recognised by the Board of Trinity College. Six months' instruction in Practical Midwifery, including Clinical Lectures. A certificate of personal attendance on Fever cases, with names and dates of cases. Six months' dissections are required. Three months' laboratory instruction in Chemistry is required. Any of the above-named courses may be attended at any medical school in Dublin recognised by the Provost and senior Fellows. The fee for the *Liceat ad Examinandum* is £5; for the M.B. degree £11.

*Doctor in Medicine.*—A Doctor in Medicine must be M.B. of at least three years' standing, or have been qualified to take the degree of M.B. for three years, and must perform exercises for the degree before the Regius Professor of Physic, in accordance with the rules and statutes of the University. Total amount of fees for this degree, £13.

*Bachelor in Surgery.*—A Bachelor in Surgery must be a Bachelor in Arts, and have spent four years in the study of Surgery and Anatomy. He must also pass a public examination in the Hall before the Professors of the School of Physic, having previously completed the prescribed curriculum of study.[6] Candidates are required to perform surgical operations on the dead subject. Candidates for the degree of Bachelor in Surgery, who have already passed the examination for the degree of Bachelor in Medicine, will be

[6] Students in the School of Physic who matriculated before June 22nd, 1872, may obtain the degree of Master in Surgery according to the regulations in force previous to the creation of the degree of Bachelor in Surgery.

examined in Anatomy and Surgery only. Fee for the *Liceat ad Examinandum*, £5; for the degree of Bachelor in Surgery, £5.

*Master in Surgery.*[7]—A Master in Surgery must be a Bachelor in Surgery of three years' standing, or have been qualified to take the degree of Bachelor in Surgery for three years; and must read two theses publicly before the Regius Professor of Surgery, or undergo an examination before the Regius Professor, according to regulations to be approved by the Provost and senior Fellows. Fee for the degree of Master in Surgery £11.

*University Licences.*—Candidates for the Licences in Medicine or Surgery must be matriculated in Medicine, and must have completed two years in Arts and four years in medical studies.

*Licentiate in Medicine.*—The medical course and examination necessary for the Licence in Medicine are the same as for the degree of M.B. A Licentiate in Medicine, on completing his course in Arts, and proceeding to the degree of B.A., may become a Bachelor in Medicine, on paying the degrees fees, without further examination in Medicine. Fee for the *Liceat ad Examinandum*, £5; for the Licence in Medicine, £5.

*Licentiate in Surgery.*—The surgical course and examination necessary for the Licence in Surgery are the same as for the degree of Bachelor in Surgery. Fee for the *Liceat ad Examinandum*, £5; for the Licence in Surgery, £5.

*Medical Scholarships.*—Two Medical Scholarships will be given annually, tenable for two years, with a salary of £20 per annum, on the condition of the successful candidates proceeding regularly for two years with the medical course in the University.

*Qualification in State Medicine.*—Doctors in Medicine or graduates in Medicine and Surgery of Dublin, Oxford, or Cambridge, who wish to obtain from the University a Certificate of Qualification in State Medicine, can do so on passing an examination in a limited course of the following subjects:—1. Law, comprehending sanitary legislation, and the laws relating to the conduct and duties of medical men. 2. Engineering in its sanitary aspects. 3. Pathology, including the laws of epidemics, vaccination, insanity, &c. 4. Vital and sanitary statistics. 5. Chemistry in relation to air, water, gaseous poisons, deodorisation, and disinfection. 6. Meteorology. 7. Medical Jurisprudence.

The total cost of the education and first degrees in Medicine and Surgery is as follows, in addition to the fees for education in Arts and B.A. degree (£83 4*s.*); Medical and Surgical Lectures, £59 1*s.*; Hospitals, £42 2*s.*; Medical and Surgical Examinations and Degrees, £31.

## THE QUEEN'S UNIVERSITY IN IRELAND.

Granting the degrees of *Doctor in Medicine* and *Master in Surgery*, and diplomas in Midwifery, includes three Colleges—the Queen's Colleges of Belfast, Cork, and Galway—each of which possesses a Faculty of Medicine. The curriculum of medical study extends over a period of four years, and is divided into two periods of two years each. The first period comprises attendance on Chemistry, Natural History, Anatomy and Physiology, Practical Anatomy, Materia Medica and Pharmacy. The second period comprises attendance on Anatomy and Physiology, Practical Anatomy, Theory and Practice of Surgery, Midwifery and Diseases of Women and Children, Theory and Practice of Medicine, and Medical Jurisprudence. At least two of the above courses of lectures must be attended in some one of the Queen's Colleges; the remainder may be taken, at the option of the candidate, in any university, college, or school recognised by the Senate of the Queen's University. Candidates are required to have also attended, in one of the Colleges of the Queen's University, lectures on Experimental Physics and on one Modern Language, and to have passed the Matriculation Examination. They are further required to attend, during the first period, Practical Chemistry in a recognised laboratory, and the practice during six months of a recognised medico-chirurgical hospital, containing at least sixty beds, together with the clinical lectures delivered therein; and to attend, during the second period, a recognised midwifery hospital, with the clinical lectures therein delivered, for a period of three months; or a midwifery dispensary for the same period; or ten cases of labour, under the superintendence of the medical officer of any hospital or dispensary where cases of labour are treated; and eighteen months' practice of a recognised medico-chirurgical hospital containing at least sixty beds, and in which clinical instruction is delivered. There are three University examinations for the degree of Doctor in Medicine. The degree of Master in Surgery and the diploma in Midwifery are only conferred upon candidates who already hold the degree of Doctor in Medicine, and who have also passed a special examination in surgery or midwifery. The University Examinations are held twice in each year—in June and September. Candidates who commence their medical studies elsewhere are admitted to portions of the First and Second University Examinations before proceeding to College. Further information will be found in the "Queen's University Calendar," or may be obtained by application to the Secretary, Queen's University, Dublin Castle.

[7] Masters in Surgery must be of the standing of Masters of Arts.

## ROYAL COLLEGE OF PHYSICIANS OF LONDON.

The licence of this College is a qualification to practise Medicine, Surgery, and Midwifery, and is recognised by the Poor-law Board as a qualification in Surgery as well as in Medicine.

*Licentiates.*—Every candidate for the College licence (except when otherwise provided by the bye-laws) is required to produce satisfactory evidence to the following effect:—Of having attained the age of twenty-one years. Of moral character. Of having passed, before the commencement of professional study, an examination in the subjects of general education recognised by the College. Of having been registered as a medical student in the manner prescribed by the General Medical Council. "After October, 1870, every candidate (not exempted from registration) is required to have been registered at least four years previously." Of having been engaged in professional studies during four years, of which at least three winter sessions and two summer sessions shall have been passed at a recognised medical school or schools, and one winter session and two summer sessions in one or other of the following ways:—1. Attending the practice of a hospital or other institution recognised by the College for that purpose. 2. Receiving instruction as the pupil of a legally qualified practitioner holding any public appointment which affords opportunities, satisfactory to the examiners, of imparting a practical knowledge of Medicine, Surgery, or Midwifery. 3. Attending lectures on any of the required subjects of professional study at a recognised place of instruction. Professional studies commenced *before* the candidate shall have passed an examination in the subjects of general education will not be recognised by the College. Of having attended, during three winter sessions and two summer sessions, the medical and surgical practice at a recognised hospital or hospitals;[8] of having discharged the duties of clinical clerk at a recognised hospital for a period of not less than three months; of having performed the duties of dresser at a recognised hospital for a period of not less than three months; and of having been engaged during six months in the clinical study of Diseases peculiar to Women. Of having studied the following subjects:—Anatomy (with Dissections), during two winter sessions;[9] Physiology, during two winter sessions; Chemistry, during six months; Practical Chemistry, during three months; Materia Medica, during three months; Practical Pharmacy, during three months; Botany, during three months; Morbid Anatomy, during six months; Principles and Practice of Medicine, during two winter sessions; Principles and Practice of Surgery, during two winter sessions; Clinical Medicine, during two winter sessions and two summer sessions; Clinical Surgery, during two winter sessions and two summer sessions; Midwifery and the Diseases peculiar to Women, during three months; Forensic Medicine, during three months. Of having passed the professional examinations.

Any candidate who shall produce satisfactory evidence of having passed an examination on Anatomy and Physiology, conducted by any of the bodies named in Schedule (A) to the Medical Act, and recognised by the College as requiring

[8] A three months' course of clinical instruction in the wards of a recognised lunatic hospital or asylum may be substituted for the same period of attendance in the medical wards of a general hospital.

[9] A practical course of General Anatomy during a winter or a summer session, consisting of not less than thirty meetings of the class, will be accepted in lieu of one of these.

a course of study and an examination satisfactory to the College, shall be exempt from re-examination on the subjects of the primary examination. Any candidate who shall have obtained a degree in Medicine at a University recognised by the College, after a course of study and an examination satisfactory to the College, shall be exempt from re-examination on the subjects of the primary examination. Any candidate who shall produce satisfactory evidence of having passed an examination on Chemistry and Materia Medica, required for a degree in Medicine at a university in the United Kingdom, in India, or in a British colony, will be exempted from re-examination on those subjects. Any candidate who shall have obtained a degree in Surgery at a university in the United Kingdom, after a course of study and an examination satisfactory to the College, shall be exempt from re-examination on Surgical Anatomy, and on the Principles and Practice of Surgery. Any candidate who shall have passed the examination on Surgery conducted by the Royal College of Surgeons of England, or the Royal College of Surgeons of Edinburgh, or the Royal College of Surgeons in Ireland, or the Faculty of Physicians and Surgeons of Glasgow, after a course of study and an examination satisfactory to the College, shall be exempt from re-examination on Surgical Anatomy, and on the Principles and Practice of Surgery. Any candidate, being a "registered medical practitioner," whose qualification or qualifications shall have been obtained before the first day of January, 1861, having been with the consent of the College admitted a candidate for the licence, will be examined on the Principles and Practice of Medicine, Surgery, and Midwifery; but he will be exempted from such other parts of the professional examinations as his qualifications may seem to the examiners to render in his case unnecessary. Any candidate who shall produce satisfactory evidence of having passed an examination on Chemistry and Materia Medica, required for a degree in Medicine at a university in the United Kingdom, in India, or in a British colony, will be exempted from re-examination on those subjects. Any candidate who shall have obtained a foreign qualification which entitles him to practise Medicine or Surgery in the country where such qualification has been conferred, after a course of study and an examination equivalent to those required by the regulations of the College, shall, on production of satisfactory evidence as to age, moral character, and proficiency in vaccination, be admissible to the Pass Examination, and shall be exempt from re-examination on such subjects as shall in each case be considered by the Censors' Board to be unnecessary.

Examinations for the licence will take place, commencing as follows:—First Examination: February 2nd, April 5th, July 5th, October 4th, and December 6th, 1880. Second Examination: February 9th, April 12th, July 12th, October 11th, and December 13th, 1880.

*Members.*—The members of the College, present and future, shall be alone eligible to the fellowship. Every candidate (except such as are admissible under special provisions relating to practitioners) must produce proof of his having been engaged in professional studies during a period of five years, of which four years at least shall have been passed at a medical school or schools recognised by the College. Every candidate shall produce evidence, satisfactory to the Censors' Board, of his having studied the following subjects: Anatomy (with Dissections), during two winter sessions; Physiology, two winter sessions; Chemistry, six months; Practical Chemistry, three months; Materia Medica, three months; Practical Pharmacy, three months; Botany, three months; Morbid Anatomy, six months; Principles and Practice of Medicine, two winter sessions; Principles and Practice of Surgery, two winter sessions; Clinical Medicine, three winter and three summer sessions; Clinical Surgery, two winter and two summer sessions; Midwifery and the Diseases peculiar to Women, three months; Forensic Medicine, three months. He shall also give satisfactory proof of having attended diligently during three winter and three summer sessions the medical practice, and during three winter and two summer sessions the surgical practice, of a hospital containing at least a hundred beds; of having been engaged during six months in the clinical study of Diseases peculiar to Women; and of having served the office of clinical clerk in the medical wards during at least six months. If the Censors' Board doubt the sufficiency of the certificates produced by any candidate, or his fitness in any respect for admission to examination, they may submit the case to a general meeting of the fellows. No candidate shall be admitted to examination who is engaged in trade; or who dispenses medicine, or makes any engagement with a chemist or any other person for the supply of medicines; or who practises medicine or surgery, in partnership, by deed or otherwise, so long as that partnership continues. No candidate shall be admitted to examination who refuses to make known, when required by the president and censors, the nature and composition of any remedy he uses. Every candidate must give proof of his acquirements by written answers to questions placed before him, and shall be examined *viva voce* at three separate examinations, and shall be approved by the president and censors, or by the major part of them. Any candidate who shall produce satisfactory evidence of having passed an examination on Chemistry and Materia Medica, required for a degree in medicine at a university in the United Kingdom, in India, or in a British colony, will be exempted from re-examination on those subjects. Any candidate who has already obtained the degree of Doctor or Bachelor of Medicine at a university in the United Kingdom, in India, or in a British colony, or who shall have obtained a foreign qualification entitling him to practise medicine or surgery in the country where such qualification has been conferred, wherein the courses of study and the examinations to be undergone previous to graduation shall have been adjudged by the Censors' Board to be satisfactory, shall be exempt (if the censors shall think fit) from all or any parts of the examinations hereinbefore described, except such as relate to the Third or Pass Examination. The nature and extent of this examination shall, in the case of each candidate, be determined by the Censors' Board. Every candidate for the membership will, however, be required to translate into English a passage from a Latin author, and he will have the opportunity of showing a knowledge of Greek or of one or more of the modern European languages. Any candidate who shall produce satisfactory evidence of having passed an examination on Anatomy and Physiology, conducted by any of the bodies named in Schedule A to the Medical Act and recognised by the College as requiring a course of study and an examination satisfactory to the College, will be exempt from re-examination on the subjects of the Primary Examinations. Any candidate who shall have obtained a degree in Surgery, at a university in the United Kingdom, after a course of study and an examination satisfactory to the College, will be exempt from re-examination on Surgical Anatomy and the Principles and Practice of Surgery. Any candidate who shall have passed the examination on Surgery conducted by the Royal College of Surgeons of England, or the Royal College of Surgeons of Edinburgh, or the Royal College of Surgeons in Ireland, or the Faculty of Physicians and Surgeons of Glasgow, after a course of study and an examination satisfactory to the College, will be exempt from re-examination on Surgical Anatomy and on the Principles and Practice of Surgery. Every candidate approved by the Censors' Board shall be proposed at the next general meeting of fellows, as qualified to become a member of the College; and if the majority of the fellows present shall consent, he shall, on complying with the regulations prescribed by the bye-laws, be admitted a member of the College.

Examinations for the Membership will take place as follows:—Third or Pass Examination, July 24th, October 23rd, 1879, and January 22nd, April 22nd, July 22nd, and October 21st, 1880. The First and Second Examinations are generally held at the commencement of the same months.

## ROYAL COLLEGE OF SURGEONS OF ENGLAND.

### REGULATIONS RESPECTING THE EDUCATION AND EXAMINATION OF CANDIDATES FOR THE DIPLOMA OF MEMBER.

*Preliminary General Education and Examination.*—Candidates who commenced their professional education on or after 1st January, 1861, will be required to produce one or other of the certificates of proficiency granted by the educational bodies specified in the recommendations of the General Medical Council. Candidates who shall not be able to produce one or other of those certificates will be required to pass an examination[10] in English, Classics, and Mathematics, conducted by the Board of Examiners of the

[10] The subjects of this examination during the years 1879-80 may be obtained by application at the College.

Royal College of Preceptors, under the direction and supervision of this College.

N.B.—Each candidate, who has not at a previous examination paid the amount, is required to pay a fee of £2 on the morning of the first day of the examination prior to his admission thereto. Examinations are held in March and September. Particulars respecting the examination will be duly advertised in the journals. Candidates are required to apply for the prescribed form of application a month before the date of the examination, and to send the same to the College not less than three weeks before its commencement.

*Professional Education.*—Professional studies prior to the date at which the candidate shall have passed an examination in general knowledge, in conformity with the preceding regulation, are not recognised.

The following will be considered as the commencement of professional education:—Attendance on the practice of a hospital or other public institution recognised by this College for that purpose. Instruction as the pupil of a legally qualified surgeon, holding the appointment of surgeon to a hospital, general dispensary, or union workhouse, or where such opportunities of practical instruction are afforded as shall be satisfactory to the Council. Attendance on lectures on Anatomy, Physiology, or Chemistry, by lecturers recognised by this College.

Candidates will be required to produce the following other certificates:—1. Of being twenty-one years of age. 2. Of having been engaged subsequently to the date of passing the Preliminary Examination, during four years, or during a period extending over not less than four winter and four summer sessions, in the acquirement of professional knowledge. 3. Of having attended lectures on Anatomy during two winter sessions. 4. Of having performed Dissections during not less than two winter sessions. 5. Of having attended lectures on General Anatomy and Physiology during one winter session. 6. Of having attended a practical course of General Anatomy and Physiology during another winter or a summer session, consisting of not less than thirty meetings of the class. 7. Of having attended lectures on Surgery during one winter session. 8. Of having attended a course of Practical Surgery during a period occupying not less than six months prior or subsequent to the course required by the preceding clause (7). 9. Of having attended one course of lectures on each of the following subjects—namely, Chemistry, Materia Medica, Medicine, Forensic Medicine, Midwifery (with practical instruction, and a certificate of having personally conducted not lers than ten labours), Pathological Anatomy during not less than three months. 10. Of having studied Practical Pharmacy during three months. 11. Of having attended a three months' course of Practical Chemistry (with manipulations) in its application to medical study. 12. Of instruction and proficiency in the practice of Vaccination. 13. Of having attended at a recognised hospital or hospitals the Practice of Surgery during three winter and two summer sessions. 14. Of having been individually engaged, at least twice in each week, in the observation and examination of patients at a recognised hospital or hospitals, under the direction of a recognised teacher, during not less than three months. 15. Of having, subsequently to the first winter session of attendance on Surgical Hospital Practice, attended, at a recognised hospital or hospitals, Clinical Lectures on Surgery, during two winter and two summer sessions. 16. Of having been a Dresser at a recognised hospital, or of having, subsequently to the completion of one year's professional education, taken charge of patients under the superintendence of a surgeon during not less than six months, at a hospital, general dispensary, or parochial or union infirmary recognised for this purpose, or in such other similar manner as, in the opinion of the Council, shall afford sufficient opportunity for the acquirement of Practical Surgery. 17. Of having attended, during the whole period of attendance on Surgical Hospital Practice (see Clause 13) demonstrations in the post-mortem room of a recognised hospital. 18. Of having attended at a recognised hospital or hospitals, the Practice of Medicine, and Clinical Lectures on Medicine, during one winter and one summer session.

Blank forms of the required certificates may be obtained on application to the Secretary, and all necessary certificates will be retained at the College.

Certificates will not be received on more than one branch of science from one and the same lecturer; but Anatomy and Dissections will be considered as one branch of science.

Certificates will not be recognised from any hospital in the United Kingdom unless the surgeons thereto be members of one of the legally constituted Colleges of Surgeons in the United Kingdom; nor from any School of Anatomy and Physiology or Midwifery, unless the teachers in such school be members of some legally constituted College of Physicians or Surgeons in the United Kingdom; nor from any School of Surgery, unless the teachers in such school be members of one of the legally constituted Colleges of Surgeons in the United Kingdom.

No metropolitan hospital will be recognised by this College which contains less than 150, and no provincial or colonial hospital which contains less than 100 patients.

Certificates of attendance upon the practice of a recognised provincial or colonial hospital unconnected with, or not in convenient proximity to, a recognised medical school, will not be received for more than one winter and one summer session of the hospital attendance required by the regulations of this College; and in such cases clinical lectures will not be necessary, but a certificate of having acted as a dresser for a period of at least six months will be required.

Those candidates who shall have pursued the whole of their studies in Scotland or Ireland will be admitted to examination upon the production of the several certificates required respectively by the College of Surgeons of Edinburgh, the Faculty of Physicians and Surgeons of Glasgow, and the College of Surgeons in Ireland, from candidates for their diploma, together with a certificate of instruction and proficiency in the practice of Vaccination, and satisfactory evidence of having been occupied, subsequently to the date of passing the Preliminary Examination, at least four entire years in the acquirement of professional knowledge; and, in the case of candidates who shall have pursued the whole of their studies at recognised foreign or colonial universities, upon the production of the several certificates required for their degree by the authorities of such universities, together with a certificate of instruction and proficiency in the practice of Vaccination, and satisfactory evidence of having been occupied, subsequently to the date of passing the Preliminary Examination, at least four entire years in the acquirement of professional knowledge.

Members or licentiates of any legally-constituted College of Surgeons in the United Kingdom, and graduates in Surgery of any university recognised for this purpose by this College, will be admitted to examination on producing their diploma, licence, or degree, together with proof of being twenty-one years of age, a certificate of instruction and proficiency in the practice of Vaccination, and satisfactory evidence of having been occupied, subsequently to the date of passing the Preliminary Examination, at least four years in the acquirement of professional knowledge.

Graduates in Medicine of any legally-constituted college or university, recognised for this purpose by this College, will be admitted to examination on adducing, together with their diploma or degree, proof of being twenty-one years of age, a certificate of instruction and proficiency in the practice of Vaccination, and satisfactory evidence of having been occupied, subsequently to the date of passing the Preliminary Examination, at least four entire years in the acquirement of professional knowledge.

*Professional Examination.*—This examination is divided into two parts. The First or Primary Examination, on Anatomy and Physiology, is partly written and partly demonstrative on the recently dissected subject, and on prepared parts of the human body. The Second or Pass Examination, on Surgical Anatomy and the Principles and Practice of Surgery and Medicine,[11] is partly written, partly oral, and partly on the practical use of surgical apparatus and the practical examination of patients. The Primary Examina-

[11] Candidates can claim exemption from examination in Medicine under the following conditions—viz.: 1. The production by the candidate of a degree, diploma, or licence in Medicine entitling him to register under the Medical Act of 1858; or a degree, diploma, or licence in Medicine of a colonial or foreign university approved by the Council of the College. 2. A declaration by the candidate, prior to his admission to the Final Examination for Membership or Fellowship, that it is his intention to obtain either of the medical qualifications mentioned in the foregoing paragraph, in which case the diploma of the College will not be issued to him until he shall produce either of the said medical qualifications or proof of having passed the several examinations entitling him to receive the same. A candidate who has passed the examination in Medicine for the Membership will not be required to pass any further examination in Medicine for the Fellowship.

tions are held in the months of January, April, May, July, and November, and the Pass Examinations generally in the ensuing week respectively. Candidates will not be admitted to the Primary Examination until after the termination of the second winter session of their attendance at a recognised school or schools, nor to the Pass or Surgical Examination until after the termination of the fourth year of their professional education. The fee of five guineas, paid prior to the Primary Examination, and allowed on the whole fee of £22[12] payable for the diploma, is retained; and after any two consecutive failures at the Primary Examination the candidate is required to pay an *additional* fee of five guineas prior to being again admitted to that examination, which *additional* fee is also retained. Five guineas, part of the sum of £16 15*s*., the balance of the whole fee due for the diploma, and paid prior to the Pass Examination, is retained; and after any two consecutive failures at the Pass Examination the candidate is required to pay an *additional* fee of £5 5*s*. prior to being again admitted to the Pass Examination, which *additional* fee is also retained. A candidate having entered his name for either the Primary or Pass Examination, who shall fail to attend the meeting of the Court for which he shall have received a card, will not be allowed to present himself for examination within the period of three months from the date at which he shall have so failed to attend. A candidate referred on the Primary Examination, who shall not obtain more than half of the total minimum number of marks, is not readmitted to examination until after the lapse of six months, and is then required to produce, in conformity with the foregoing paragraph, a certificate of the performance of dissections during not less than three months' subsequently to the date of his reference. A candidate referred on the Pass Examination is required, prior to his admission to re-examination, to produce a certificate of at least six months' further attendance on the surgical practice of a recognised hospital, together with lectures on Clinical Surgery, subsequently to the date of his reference.

The required certificates, whether for the Primary or Pass Examination, must be forwarded through the post not less than ten clear days prior to the date of each examination; except in the case of a referred candidate whose term of additional study will not expire until the date of the examination, in which case a written application must be sent by him in lieu of the certificates, such certificates to be produced the day before the examination.

The College of Surgeons issued a notice some time ago that the annual registration of students had been abolished. There will not therefore be any registration in October next.

Prior to his admission to the First or Anatomical and Physiological Examination, the candidate is required to pay a fee of five guineas, to be allowed on the fee for the diploma of Fellow, but to be retained in case of rejection. Prior to his admission to the Second Professional Examination, the candidate is required to pay a fee of five guineas[13] (if a member) over and above all charges for stamps, to be retained in case of rejection; and a fee of twenty-five guineas[13] (if not a member) over and above all charges for stamps, of which five guineas will be retained in case of rejection. A candidate whose qualifications shall be found insufficient on his Anatomical and Physiological Examination shall be referred, and shall not be allowed to present himself for re-examination until after the expiration of six months from the date of his reference. A candidate whose qualifications shall be found insufficient upon his Pathological and Surgical Examination shall be referred, and shall not be allowed to present himself for re-examination until after the expiration of one year from the date of his reference, unless the Court of Examiners shall otherwise determine.

## ROYAL COLLEGE OF PHYSICIANS, EDINBURGH.

*The Licence.*—No one can obtain the licence of the College until he has completed the age of twenty-one years.

Every applicant for the licence must produce a certificate that he has studied Vaccination under a recognised teacher.

The Preliminary Examination in General Education prescribed by the General Medical Council must have been passed by each applicant, and his name inscribed in the Register of Medical Students, previous to the commencement of his medical studies. Masters and Bachelors of Arts of any British or foreign university, whose course of study may from time to time be approved by the College, will be exempted from the Preliminary Examination; also those who have passed the examination of the national educational bodies, or of any recognised licensing board.

The Professional Examination will be divided into two parts, according to the following arrangement of subjects:—1. Anatomy, Physiology, Chemistry. 2. Materia Medica and Pharmacy, Pathology and Pathological Anatomy, Practice of Medicine, Surgery, Midwifery, Medical Jurisprudence, Clinical Medicine. No candidate will be admitted to the first examination until the end of his second winter session, or to the second until he has completed four years of professional study. The examinations will be partly oral, partly in writing.

Candidates for the licence of the College who have passed the First Professional Examination before a qualifying body (provided it be as extensive as that required by this College) will be at once admitted to the second part of the examination.

Meetings for the examination of candidates who already possess a qualification from a recognised licensing body will be held on the first Wednesday of every month (except September and October), and, if necessary, on the following days. Candidates are required to communicate with the secretary of the College not less than eight days before the date of the examination at which they propose to appear.

No candidate is admissible to examination who has been rejected by any licensing board within three months previous to his examination.

The fee payable by a licentiate is £15 15*s*. In the event of a candidate being unsuccessful at his examination, the sum of £4 4*s*. will be retained to defray expenses.

Candidates may be admitted to special examination, on other days than those appointed above, on bringing forward reasons satisfactory to the Council, and on paying an extra fee of £5 5*s*. Should the candidate be unsuccessful, the sum of £11 11*s*. will be returned to him.

*The Membership.*—Any licentiate of a College of Physicians, or graduate of a British or Irish University, with whose knowledge of medical and general science the College may be satisfied, may be admitted a member of the College provided he shall have attained the age of twenty-four years.

*The Fellowship.*—No one can be elected a fellow of the College until he has been at least one year a member thereof, and has attained the age of twenty-five years.

The fee to be paid by a member is £31 10*s*. When a licentiate is raised to the rank of a member, he pays £21. When a member is raised to the rank of a fellow, the fee is £31 10*s*., exclusive of stamp duty, which amounts to £25. All candidates for fellowship or membership must lodge their fees, and the amount of stamp duty payable at the time to Government, with the treasurer, previously to presenting their petitions.

*Qualification in Public Health.*—The College now confers certificates of competency in Public Health. Examinations are held in April and October Fee for certificate, £10 10*s*.

## ROYAL COLLEGE OF SURGEONS, EDINBURGH.

Every candidate for a surgical diploma must have followed his course of study in a university or in an established school of medicine, or in a provincial school specially recognised by the College of Surgeons of that division of the United Kingdom in which it is situate.

*Preliminary Examination.*—All students who intend becoming candidates for the diploma of the College must have passed the complete examination in general education as prescribed by the General Medical Council, and have had their names inscribed in the Register of Medical Students at the commencement of their professional studies. Examinations will be held on Oct. 25th and 27th, 1879; April 13th and 14th; July 10th and 12th, 1880. Testimonials of proficiency granted by educational bodies recognised by the Medical Council exempt students from the Preliminary Examination.

*Professional Education.*—Candidates commencing professional study after Sept. 16th, 1866, must have been engaged during forty-five months after the examination in general education, in professional study, which shall include not less

[12] This sum is exclusive of the fee of £2 paid for the Preliminary Examination.

[13] The sum of £2 paid on the Preliminary Examination will be allowed against these amounts.

than four winter sessions', or three winter and two summer sessions' attendance at a recognised medical school.

*Professional Examination.*—Candidates are subjected to two Professional Examinations, conducted at separate sittings, partly in writing and partly orally.

The First Examination embraces Anatomy, Physiology, and Chemistry. Examinations will be held Oct. 21st, 1879; Jan. 26th, March 29th, April 20th, and July 20th, 1880.

Candidates who desire to pass the First Professional Examination must apply to the Secretary on or before the Friday preceding the day of examination, and must produce certificates of attendance in regard to all those courses of study which have reference to the subjects of that examination. They must also produce evidence of having passed the Preliminary Examination. The sum of £6 6s. must be paid to the treasurer of the College for this examination not later than 9 A.M. of the Saturday preceding it. This sum will be considered as paid to account of the entire fee of £15 15s. payable for the diploma.

The Second Examination embraces Surgery and Surgical Anatomy; also Medicine, Midwifery, Materia Medica, and Medical Jurisprudence; and does not take place before the termination of the winter session of the last year of study; in the case of candidates who began their course of study after 16th of September, 1866, it will not take place till forty-five months after the examination in general education.

Application for examination must be made to the secretary not later than the Monday previous to the day of the examination.

Every candidate must produce to the secretary—1. Satisfactory evidence of his having attained the age of twenty-one years, and of having been duly registered. 2. The certificates of his classes. 3. The certificate of his having passed the First Professional Examination. And 4. A tabular statement (for which a printed form will be furnished) exhibiting the full amount of his professional education, and distinguishing the classes, hospitals, dispensaries, and schools attended during each session of his studies. If he have been an apprentice, he must also insert the name of his master, the date of his indenture, and the length of time for which he is bound. This statement, accurately filled up, must be attested by his signature, and afterwards delivered by the candidate to the officer of the College, to be preserved by the College. If the candidate have been an apprentice to a Fellow of the College, he must also produce his discharged indenture. The secretary will then give the candidate a letter authorising the examiners to admit him to examination.

The remaining fee payable to the College (being £9 9s.), together with the receipt for the fee paid for the First Professional Examination, must be lodged, not later than 9 A.M. of the Tuesday preceding the examination day, in the hands of the treasurer, who will certify this upon the secretary's letter. £5 5s. will be returned to unsuccessful candidates.

Candidates who have passed the First Examination in Anatomy, Physiology, and Chemistry, at any of the licensing boards recognised by the Medical Act, will be admissible to the Second Professional Examination on producing certificates of the whole course of study, of having passed their Preliminary and First Professional Examinations, and of having been registered. If any of the three subjects of the first examination have been omitted, such candidates will have to undergo the first examination on the omitted subjects; and none of the subjects set down will be omitted at the second examination, even if some of them should have formed part of the first examination by another board. The fee is £15 15s. Unsuccessful candidates under this regulation receive back £11 11s.

In order to test more effectually the practical knowledge of candidates, recent dissections, anatomical specimens, and articles of the materia medica will be employed during the examinations; and all candidates will be required to write out formulæ of prescriptions. They will also be subjected to a practical clinical examination in the surgical hospital, including the application of surgical apparatus, bandages, &c.

No candidate will be admissible to examination who has been rejected by any other licensing board within the three months preceding his application to be examined.

Those candidates who have passed the First Professional Examination before the 31st December, 1877, will be required to pay, as under the old regulation, a fee of £6 for the second examination, provided they appear for that examination prior to 1st January, 1880; and in the event of being unsuccessful £2 will be retained.

## ROYAL COLLEGES OF PHYSICIANS AND SURGEONS, EDINBURGH.

The Royal College of Physicians of Edinburgh, and the Royal College of Surgeons of Edinburgh, while they still continue to give their diplomas separately, under separate regulations, have made arrangements by which, after one series of examinations, the student may obtain the diplomas of both Colleges. The general principle of this joint examination is, that it shall be conducted by a board in which each body is represented in those branches which are common to both medicine and surgery; but that the College of Physicians shall take exclusive charge of the examination in Medicine, and the College of Surgeons of the examination in Surgery. The object of the joint examination is to give to students facilities for obtaining from two separate bodies, and at less expense, a qualification in Medicine and a qualification in Surgery. Students passing that examination successfully will be enabled to register two qualifications under the Medical Act—Licentiate of the Royal College of Physicians of Edinburgh, and Licentiate of the Royal College of Surgeons of Edinburgh. The arrangement for thus conferring a double qualification by the co-operation of the two Colleges is in conformity with Section 19 of the Medical Act, and has received the special sanction of the General Council of Medical Education and Registration.

## FACULTY OF PHYSICIANS AND SURGEONS OF GLASGOW.

Preliminary Examinations in General Literature, in accordance with the regulations of the General Council, will be held in the Faculty Hall during the session 1879–80 on the following Fridays, commencing at 11 o'clock—namely, October 17th, 1879; April 16th, July 16th, and September 10th, 1880; and on each occasion the examination will be continued on the succeeding day. Those who are unsuccessful may appear at one subsequent examination without paying a second fee. The fee for the examination and certificate is 10s., payable to the secretary previous to the examination.

The course of study for the diploma and the regulations generally correspond with those required by the Royal College of Surgeons of Edinburgh.

The professional examinations are held at four periods in 1879—in January, April, July, and October. The following are the dates at which the first examination will begin in 1879–80: Oct. 7th, 1879; Jan. 6th, April 6th, July 20th, 1880. The second examination will commence on Oct. 9th, 1879; Jan. 8th, April 9th, and July 22nd, 1880. Candidates will not be admitted to the final examination until the expiry of forty-five months from the date of registration, which period must embrace at least three winter and two summer sessions, or four winter sessions, of study at a medical school.

The regulations regarding examinations are nearly similar to those of the Royal College of Surgeons of Edinburgh.

The fee for the diploma is fifteen guineas—six guineas for the first and nine guineas for the second examination. Candidates not already qualified in Medicine are examined in that subject orally and clinically, as well as by written papers.

### REGULATIONS REGARDING THE DOUBLE QUALIFICATION.

The Faculty of Physicians and Surgeons of Glasgow and the Royal College of Physicians, Edinburgh, grant their diplomas conjointly before a board of examiners in which each body is represented, the object being to give to students facilities for obtaining from two separate bodies, and at less expense, a double qualification in Medicine and Surgery. Students passing this examination successfully will be enabled to register two qualifications under the Medical Act—namely, Licentiate of the Faculty of Physicians and Surgeons of Glasgow, and Licentiate of the Royal College of Physicians of Edinburgh. The curriculum of study embraces a course of Medicine, in addition to the subjects required for a diploma of the Faculty. The fee for the first examination is eight guineas; for the second twelve guineas.

The examination for the Double Qualification will begin in the Faculty Hall, Glasgow, at the following periods—namely, first examination, October 7th, 1879; January 6th,

April 6th, July 20th, 1880. The second examination will begin on October 14th, 1879; January 13th, April 13th, and July 27th, 1880.

Applications to be admitted to either the first or second examination must be made to the Secretary of the Faculty not later than one week preceding the examination.

Candidates are required to subscribe a declaration that they have not been rejected by any examining board within three months before the examination.

The other regulations are nearly the same as those for the diploma of the Faculty.

## KING AND QUEEN'S COLLEGE OF PHYSICIANS IN IRELAND.

Every candidate for the Licence in Medicine or Midwifery must return his name to the registrar of the College, and lodge with him his certificates, bank receipt of fees, and his schedule, at least four days before the first Friday in each month.

Every candidate for the Licence of the College to Practise Medicine is required to produce satisfactory evidence:—1. Of character, from a fellow of the College, or from two registered practitioners. 2. Of having passed an examination in General Education, held by some one of the examining bodies recognised by the General Medical Council. 3. Of having been engaged during the period of four years in the study of medicine. 4. Of having attended courses of lectures on the following subjects, at schools recognised by the College:—Practical Anatomy, two courses; Physiology or Institutes of Medicine, one course; Chemistry, one course; Practical Chemistry, one course; Materia Medica, one course; Medical Jurisprudence, one course; Practice of Medicine and Pathology, one course; Surgery, one course; Midwifery, one course. 5. Of having attended for twenty-seven months a recognised medico-chirurgical hospital, in which clinical lectures and clinical instruction in medicine are given, the attendance not to be for more than nine months in any one year—viz., six winter and three summer months; and of having been in attendance during at least nine months on a clinical hospital which contains wards for the treatment of the infectious fevers—said nine months being included in the total period of twenty-seven months. 6. Of having attended Practical Midwifery and Diseases of Women for six months at a lying-in hospital, or maternity, recognised by the College; or, where such hospital attendance cannot have been obtained during any period of the student's course of study, of having been engaged in Practical Midwifery under the supervision of a registered practitioner holding public appointments; the certificate, in either case, to state that not less than twenty labour cases have been actually attended. 7. Of having lodged the admission fee in the Royal Bank of Ireland to the credit of the College.

The Professional Examination is divided into two parts: first part—Anatomy, Physiology, Chemistry, and Materia Medica; second part—Practice of Medicine, Clinical Medicine, Pathology, Medical Jurisprudence, Midwifery, Hygiene, and Therapeutics. Candidates may be examined in the subjects of the first part at the termination of the second year of study, on producing the prescribed certificates; or in all the subjects of their education, on the completion of their medical studies. No candidate can be examined in all the subjects of the first and second parts in the same months. Examinations in the subjects of the first part are held quarterly, in January, April, July, and October. Final Examinations are held monthly, except August and September, when the College is in recess. Candidates qualified as follows are required to undergo the second part only of the Professional Examination—viz.: (1) graduates in Medicine of any university in the United Kingdom, or of any foreign university approved by the College; (2) fellows, members, or licentiates of the Royal Colleges of Physicians of London or Edinburgh; (3) graduates or licentiates in Surgery; (4) candidates who, having completed the prescribed curriculum, shall have passed the previous Professional Examination or Examinations of any of the licensing medical authorities in the United Kingdom mentioned in Schedule A of the Medical Act, 1858.

Any registered practitioner of five years' standing shall be admitted to examination for the licence of the College on producing his certificate of registration, with satisfactory reference, and shall have the privilege of being exempted from the examination by printed questions.

Fee for the licence to practise medicine, fifteen guineas, which may be divided as follows:—For examination at the termination of the first period of study, five guineas; for final examination for the licence, ten guineas. Fee for examination for the licence to practise midwifery, three guineas. Fee for the licences in medicine and midwifery, if taken at the same monthly examination, sixteen guineas. Fee for special examination for the licence to practise medicine, twenty guineas. Fee for special examination for the licence to practise midwifery, five guineas. The admission fee, less the sum paid to the examiners, will be returned to any candidate rejected at any of the College examinations.

## ROYAL COLLEGE OF SURGEONS IN IRELAND.

Registered pupils who pay a fee of five guineas are admitted to the Preliminary Examination of the College without further fee, and are permitted to study each week-day in the Museum from 11 o'clock A.M. to 3 o'clock P.M., and to read in the Library from 10 o'clock A.M. to 6 o'clock P.M. They are also permitted to attend the lectures on Comparative Anatomy, and to obtain a certificate for such attendance without payment of any fee. These privileges are open to the students of any school recognised by the Council who may have enrolled themselves as registered pupils of the College. Students who are not registered pupils (whilst expected to register previous to the commencement of their professional studies) are also permitted to present themselves for the Preliminary Examination at any period previous to their first professional examination, upon payment of a matriculation fee of £1 1s.

The following are the subjects for the Preliminary Examination:—The English language (Grammar and Composition), Arithmetic (Vulgar and Decimal Fractions), Algebra (Simple Equations), Geometry (first two books of Euclid), Greek and Latin (Translation and Grammar); in Greek, the Gospel of St. John, or the first book of Xenophon's Anabasis, or the Dialogue of Lucian entitled "Menippus or the Necromancy"; in Latin the Æneid of Virgil books 1 and 2, or the Jugurthine War of Sallust, or the Third Book of Livy. These examinations are held quarterly—viz., on the third Wednesday in January, April, July, and October in each year. Fee, free to registered pupils; for non-registered pupils, 10s. Candidates are required to enter their names, and to pay their fees to the registrar, at least six days previous to the day of examination. N.B.—Students who have passed any of the Preliminary Examination Boards recognised by the General Medical Council, into the curriculum of which the Greek language enters as a compulsory subject, are exempt from any further preliminary examination, and are entitled to become registered pupils.

*Special Examinations.*—Every registered pupil is admitted, upon payment of a special fee of five guineas, to a special examination for letters testimonial. He must pay a sum of twenty guineas in the Bank of Ireland, to the credit of the President and for the use of the College; fifteen guineas of which will be returned if rejected.

*Stated Examinations.*—Stated examinations are held in the months of April, July, and November, commencing on dates of which due notice will be given beforehand by the Council of the College, and to which candidates cannot be admitted unless they be registered pupils, and at which they will be divided into two classes—junior and senior. The junior class will be examined in Anatomy, Histology, Physiology, Materia Medica, and Chemistry. The fee for this examination is five guineas, in addition to the registration fee of five guineas; but to be allowed the candidate in case he presents himself a second time for examination. The senior class must produce certificates of having attended three courses of lectures on the Theory and Practice of Surgery, one course of lectures on the Practice of Medicine, and one course of lectures on Midwifery; also certificates of attendance on a recognised hospital for three winter and three summer sessions. This class will be examined in Surgery, Operative Surgery and Surgical Appliances, Practice of Medicine, Medical Jurisprudence and Prescriptions. No candidate for letters testimonial will be admitted to examination without producing a certificate of attendance for one month at the Cow-Pock Institution, or some other institution to be approved of by this Council, under the instruction of a public vaccinator specially recognised by this College for the purpose, and that he is practically acquainted with vaccination. The fee for this

examination is fifteen guineas; returnable to the candidate in case of rejection. In addition to the foregoing fees a fee of one guinea is to be paid to the registrar.

*Qualifications of Candidates for the Fellowship.*—Every registered pupil or licentiate may be admitted to examination for the Fellowship if he shall have lodged in the Bank of Ireland, for the use of the College, if he be a licentiate, the sum of twenty guineas, or thirty-five in case he be only a registered pupil; provided, in either case, he intends to reside beyond ten miles from Dublin, or, if he reside in Dublin, or within ten miles thereof, he must lodge thirty guineas, or if he be only a registered pupil, forty-five guineas. He must be twenty-five years of age, and be a Bachelor of Arts of some university, or show that he has obtained a liberal preliminary education. He must, moreover, produce a certificate of general good conduct and certificates of attendance on the several courses of lectures required to be attended by candidates for letters testimonial, together with one course of lectures on Comparative Anatomy, and one course of lectures on Natural Philosophy. A thesis on some medical subject, or clinical reports, with observations, of six or more medical or surgical cases taken by himself will also be required, and certificates of having been engaged in the acquisition of professional knowledge for a period of not less than six years, three of which must have been spent in one or more of the schools and hospitals recognised by the Council. Licentiates of the College who may not be able to show that they have followed the course of study specified in the preceding regulations, may, at the expiration of ten years from the date of their diploma, be admitted to the examination required for the Fellowship, provided they produce such evidence as shall be satisfactory to the Council that they have conducted themselves honourably in the practice of their profession.

*Examination of Candidates for Letters Testimonial.*—Examinations of candidates for letters testimonial, special and stated, will be held in April, July, and November, upon such days as the Council may direct.

Junior classes will be examined in Dissections, Anatomy, Physiology, Histology, Materia Medica, and Chemistry, written and *viva voce*. The senior class will be examined in Surgery, Practice of Medicine, Medical Jurisprudence, and Prescriptions, written and *viva voce*, and in Clinical Examination and Operative Surgery.

The fees to be paid by candidates for letters testimonial are:—Registration fee, £5 5*s*.; Junior Class Examination fee, £5 5*s*.; Senior Class Examination fee, £15 15*s*.; total, £26 5*s*. In addition to the foregoing, a fee of one guinea is to be paid to the registrar on handing each licentiate his diploma.

*Examination of Candidates for the Fellowship.*—Examinations for the Fellowship will be held from time to time as the Council may direct. The subjects of the First Examination will be Anatomy and Physiology (human and comparative); those of the second, Pathology, Therapeutics, the Theory and Practice of Medicine and Surgery, and Clinical Surgery. In cases of licentiates of ten years' standing, the examinations will be mainly clinical and practical. In addition to the oral examinations, candidates will be required to give written answers to either written or printed questions (which will be delivered to them in such manner as the Council may direct), and to perform Dissections and Operations.

## THE SOCIETY OF APOTHECARIES, LONDON.

Every candidate for a Certificate of Qualification to practise as an Apothecary will be required to produce testimonials—Of having passed a Preliminary Examination in Arts as a test of general education. (This examination must be passed before the commencement of medical studies. Medical studies commenced before the candidates shall have passed an examination on the subject of general education will not be recognised.) Of having attained the full age of twenty-one years. Of good moral conduct. A certificate of three months' Practical Pharmacy from some recognised hospital or dispensary, or from a qualified medical practitioner. And of having pursued a course of medical study in conformity with the regulations of the Court.

The course of medical study required for a licence must occupy at least four years, of which not less than three winter and two summer sessions must be passed at a recognised school or hospital. The following will be recognised and considered equivalent to eighteen months' study, in addition to the two years and a half above mentioned. (*a*) Attendance on the practice of a hospital or other public institution recognised by this Hall for that purpose. (*b*) Instruction as the pupil or assistant of a registered practitioner, physician or surgeon to a hospital, general dispensary, or union workhouse, or where such opportunities of practical instruction are afforded as may be deemed satisfactory.

*Course of Study.*—Every candidate must attend the following lectures and medical practice: each winter session to consist of not less than six months, to commence on the 1st and not later than the 15th of October; each summer session to commence on the 1st and not later than the 15th of May.

First Year.—Winter Session: Chemistry, Anatomy and Physiology (including Dissections and Demonstrations). Summer Session: Botany, Materia Medica and Therapeutics, Practical Chemistry.

Second Year.—Winter Session: Anatomy and Physiology (including Dissections and Demonstrations), Principles and Practice of Medicine, Clinical Medical Practice. Summer Session: Midwifery and Diseases of Women and Children, Forensic Medicine and Toxicology, Clinical Medical Practice.

Third Year.—Winter Session: Principles and Practice of Medicine, Clinical Medical Lectures, Morbid Anatomy, Pathology and Clinical Medical Practice. Summer Session: Practical Midwifery and Vaccination, Morbid Anatomy, Clinical Medical Practice.

No certificates of lectures or of anatomical instructions delivered in private to particular students apart from the ordinary classes of recognised public medical schools, can be received by the Court of Examiners.

*Examination in Arts.*—This examination will be held at the Hall of the Society on Friday and Saturday, January 23rd and 24th, April 23rd and 24th, September 17th and 18th. The examination will be conducted by means of printed papers. Candidates will be examined in the following branches; and no candidate will be approved unless he show a competent knowledge of each branch of the examination:—1, the English Language; 2, the Latin Language; 3, Mathematics; 4, one of the following subjects, at the option of the candidate—Greek, French, German, Natural Philosophy. Testimonials of proficiency in general education will be received from any of the licensing bodies, and also from recognised national, colonial, and foreign educational bodies—viz., a degree in Arts of any university of the United Kingdom, or of the colonies, or of such other universities as may be specially recognised from time to time by the Medical Council.[14] The fee for the examination is one guinea. If a candidate fail to pass the examination, the fee will not be returned to him, but he will be admissible to either, or to both, of the two next following examinations without payment of an additional fee, upon giving at least one week's notice.

Prizes are annually offered for proficiency in the knowledge of the Materia Medica and Pharmaceutical Chemistry. The prizes consist of a gold medal awarded to the candidate who distinguishes himself the most in the examination; and of a silver medal, and a book or books, to the candidate who does so in the next degree. Also, two prizes for proficiency in the knowledge of Botany, consisting of a gold medal awarded to the candidate who distinguishes himself the most in the examination; and of a silver medal, and a book or books, to the candidate who does so in the next degree.

*Professional Examinations.*—The Court of Examiners meet in the Hall every Wednesday and Thursday, where candidates are required to attend at 4.30 P.M. Every candidate intending to offer himself for examination must give seven days' notice previous to the day of examination, and

[14] The following is a syllabus of subjects for examination in 1880.—1. *The English Language:* The leading features of its history, its structure and grammar. English Composition. 2. *The Latin Language:* Re-translation of easy sentences. Grammatical questions will be introduced into the Latin paper, and each candidate will be expected to give satisfactory answers to these. 3. *Mathematics:* The ordinary rules of Arithmetic. Vulgar and Decimal Fractions. Addition, Subtraction, Multiplication, and Division of Algebraical Quantities. Simple equations. The first two books of Euclid. 4. *(a) Greek:* Xenophon, Anabasis, books i. and ii. Grammatical Questions. *(b) French:* Grammatical questions. *(c) German:* Translation from English into German. Grammatical questions. *(d) Natural Philosophy:* Mechanics, Hydrostatics and Pneumatics. (The books recommended for study in this subject are Smith's "Statics," and Smith's "Hydrostatics," or Newth's "Natural Philosophy."

must at the same time deposit all the required certificates with the fee, at the office of the beadle, where attendance is given daily from 10 till 4 o'clock; Saturdays, 10 till 2. Certificates in arts granted by any of the bodies whose certificate is recognised by the Medical Council, will be accepted from candidates who present themselves at the Professional Examination at the Hall, as equivalent to their having passed the above examination. The certificates being found correct, a card to admit the candidate will be sent, stating the day and hour of examination.

The examination of candidates is divided into two parts, and is conducted partly in writing and partly *viva voce*.

The First Examination, which may be passed after the second winter session, embraces the following subjects:—Physicians' Prescriptions and Pharmacy; Anatomy and Physiology; General and Practical Chemistry; Materia Medica and Botany; Histology. Testimonials are required of candidates for the First Examination of having passed an examination in arts recognised by the Medical Council; of having completed the curriculum of study to the close of the second winter session; of having attended three months' Practical Pharmacy; and of good moral conduct. (Any candidate who presents himself for the First Examination and is rejected, may be admitted to re-examination at the expiration of three calendar months.)

The Second Examination, at the termination of the medical studies, embraces Principles and Practice of Medicine; Pathology and Therapeutics; Midwifery, including the Diseases of Women and Children; Forensic Medicine and Toxicology; Microscopical Pathology.

Certificates are required of candidates for the Second or Pass Examination, of having completed four years' medical study, including the period spent at the hospital; of being twenty-one years of age; and of good moral conduct. Of having passed the First Examination. Of having completed the prescribed curriculum of study according to the schedule, including a personal attendance of twenty cases of midwifery; and of having received instruction in Practical Vaccination, and vaccinated not less than twenty cases. Of having served the office of clinical clerk at a recognised hospital during the period of six weeks, at least. Of having been examined at the class examinations instituted by the various lecturers and professors of their respective medical schools and colleges.

*Modified Examination.*—Graduates in Medicine of British Universities will be admitted to a Clinical and Practical Examination in the Practice of Medicine, Pathology, and Midwifery.

No rejected candidate for the licence can be re-examined until the expiration of six calendar months from his former examination.

*Fees.*—For a Certificate of Qualification to Practise, six guineas, half of which is retained in case of rejection, to be accounted for at a subsequent examination. For the First Examination, three guineas, which sum is retained in case of rejection and accounted for subsequently. For the Second Examination, three guineas. For an Assistant's Certificate, two guineas, which sum is retained in case of rejection and accounted for subsequently. N.B. After two rejections a second fee of three guineas will be required, or one guinea in the case of an Assistant.

## APOTHECARIES' HALL OF IRELAND.

The *Arts Examination* will be held at the Hall four times in the year—viz., the third Thursday in the months of January, April, July, and October, at 12 o'clock.

Unsuccessful candidates will be remitted to their studies for a period of six months.

*Professional Education.*—Every candidate for the licence to practise Medicine and Pharmacy must produce certificates to the following effect:—Of having passed an examination in Arts previously to entering on professional study. Of registration as a medical student from the Registrar of the Medical Council.[15] Of being at least twenty-one years of age, and of good moral character. Of pupilage to a qualified apothecary, or of having been otherwise engaged at *practical* Pharmacy for a period of twelve months subsequent to having passed the examination in Arts. Of having spent four years in professional study. Of having attended the following courses—namely: Chemistry, during one winter session; Anatomy and Physiology, during two winter sessions; Demonstrations and Dissections, during two winter sessions; Botany and Natural History, during one summer session; Practical Chemistry (by daily instruction in a recognised laboratory), during three months; Materia Medica, during three months; Principles and Practice of Medicine, during one winter session; Midwifery and Diseases of Women and Children, during six months; Practical Midwifery at a recognised hospital (attendance upon twenty cases); Surgery, during one winter session; Forensic Medicine, during one summer session; instruction in the practice of Vaccination. Of having attended at a recognised hospital or hospitals the Practice of Medicine and Clinical Lectures on Medicine, during two winter and two summer sessions; also the Practice of Surgery and Clinical Lectures on Surgery, during one winter and one summer session. Of practical study, with care of patients, as apprentice, pupil, assistant, clinical clerk, or dresser, in hospital, dispensary, or with a registered practitioner. Of having performed the operation of Vaccination successfully under a recognised vaccinator.

The *Examination for the Licence* is divided into two parts. The first part comprehends Chemistry, including Physics, Botany, Anatomy, Physiology, Materia Medica, and Pharmacy; the second, Medicine, Surgery, Pathology, Therapeutics, Midwifery, Forensic Medicine, and Hygiene.

Candidates at the examination on Anatomy are liable to be called on to perform dissections; and at the examination on Surgery, to perform one or more operations on the dead subject.

The *Professional Examinations* will be held quarterly, and will commence on the first and second Monday in the months of January, April, July, and October. They will be carried on as follows:—The first part, on the first Monday, at 12 o'clock noon; and on the Tuesday and Wednesday succeeding, at the same hour. Subjects: Chemistry, including Chemical Physics, and Botany, Monday; Anatomy and Physiology, Tuesday; Materia Medica and Pharmacy, Wednesday. The second part, or final examination, on the second Monday, at 12 o'clock noon; and on the Tuesday and Wednesday succeeding, at the same hour; on Thursday, clinical examination. Subjects: Medicine and Surgery, including Pathology and Therapeutics, Monday; Midwifery and Diseases of Women and Children, Tuesday; Forensic Medicine and Hygiene, Wednesday; clinical examination, Thursday.

[15] A person, having first passed an examination in Arts, may be registered as a "medical student" who has commenced the study of the profession either at a medical school, hospital, or as an apprentice or pupil to a registered practitioner.

## ARMY MEDICAL DEPARTMENT.

*6, Whitehall-yard, S.W.*

The regulations of the Army Medical Department are omitted, as the conditions of the service are unsettled. A new Warrant which will change the whole arrangements is expected shortly.

## ARMY MEDICAL SCHOOL.

*Royal Victoria Hospital, Netley.*

All gentlemen who have been successful in the competitive examinations, held twice a year (February and August), in London, for appointments in the medical services of the Army (British and Indian) and of the Navy, attend subsequently, at the Royal Victoria Hospital, a course of practical instruction in the duties they will have to perform in the public services. The course lasts four months; at the end of the session an examination is held to ascertain the progress made by the candidates, who are afterwards gazetted as surgeons, taking their seniority according to the aggregate number of marks then gained at both the London and the Netley examinations. The lectures on Military Surgery include gunshot and other wounds; arrangements for the transport of wounded; duties of army surgeons in the field, during sieges, on transports, &c.; and other special subjects. Those on Military Medicine refer to the tropical and other diseases of the British possessions and colonies, and to the losses by disease in peace and war, at home and abroad. The lectures on Hygiene comprise the examination of water and air, of food, clothing, &c., of the soldier, his duties and exercise, and the circumstances affecting his health; the subjects of meteorology, statistics, and the prevention of the different diseases met with in the army, on home or foreign service. The lectures on Pathology have reference chiefly to Morbid Anatomy and the scientific examination of tropical diseases,

and of other complaints which the army surgeon is especially called on to investigate. The candidates also attend the wards of the hospital to study the diseases of invalids under the Professors of Medicine and Surgery, the system of recruiting, and the modes of keeping the army medical returns and records. They are also called on to make post-mortem examinations, to operate on the dead body, and pass through courses of practical instruction in the laboratory on the modes of analysing water and air and of recognising the qualities and adulterations of food, and in the microscope-room on the modes of microscopic examination of morbid tissues and of adulterations of food, &c. Visits are also paid at stated intervals to the lunatic hospital attached to the Royal Victoria Hospital, and instruction is given by the surgeon-major in charge.

Candidates for commissions in each branch of the public service, while at Netley, wear uniform, take their meals at the Army Medical Department mess, and receive from the Government an allowance towards cost of maintenance.

## INDIAN MEDICAL SERVICE.

*India Office, St. James's-park, S.W.*

All natural-born subjects of Her Majesty, between twenty-two and twenty-eight years of age at the date of examination, and of sound bodily health, may be candidates. They may be married or unmarried. They must possess a diploma in Surgery, or a licence to practise it, as well as a degree in Medicine, or a licence to practise it, in Great Britain or Ireland. They must subscribe and send in to the Military Secretary, India Office, so as to reach that address at least a fortnight before the date fixed for the examination, a declaration containing an attestation that they are ready to proceed on duty immediately on being gazetted, that they labour under no mental or physical disability, and that they possess a recognised degree or licence to practise both Medicine and Surgery. This declaration must be accompanied by proof of age, either by the candidate's own declaration, form of which can be obtained at the India Office, a certificate of moral character from a magistrate or a minister of the religious denomination to which the candidate belongs, who has personally known him for at least the two years preceding the date of his application; and a certificate of registration, in accordance with the Medical Act of 1858, of the degrees, diplomas, and licences possessed by the candidate. The physical fitness of candidates will be determined as in the case of candidates for the Army Medical Service. On producing the foregoing qualifications, the candidate will be examined in the following compulsory subjects:—Anatomy and Physiology, Surgery, Medicine (including Therapeutics, and Diseases of Women and Children), Chemistry and Pharmacy, and a practical knowledge of Drugs. The eligibility of each candidate for the Indian Medical Service will be determined by the result of the examinations in these subjects only. Candidates, who desire it, will be examined in French, German, and Hindustani, Comparative Anatomy, Zoology, Natural Philosophy, Physical Geography, and Botany with special reference to Materia Medica.

After passing the Preliminary Examination, candidates will be required to attend one entire course of Practical Instruction at the Army Medical School, before being admitted to examination for a commission, on Hygiene, Clinical and Military Medicine, Clinical and Military Surgery, Pathology of Diseases and Injuries incident to Military Service. These courses are to be of not less than four months' duration; but candidates who have already gone through a course at Netley as candidates for the Army or Navy Medical Service may, if thought desirable, be exempted from attending the School a second time. At the conclusion of the course, candidates will be required to pass an examination on the subjects taught in the School. The examination will be conducted by the professors of the School. The position of the candidates on the list of surgeons will be determined by the combined results of the preliminary and of the final examinations, and, so far as the requirements of the service will permit, they will have the choice of Presidency in India, according to their position in that list.

Pay at the rate of 10*s.* a day will be allowed from date of passing final examination at the Army Medical School, until date of embarkation, when a passage is provided, or for a period of two months, when the surgeon is permitted to make his own arrangements for passage. An advance of two months' pay will also be made on embarkation.

N.B.—The examination for admission to the Indian Medical Service will usually take place twice a year—viz., in February and in August.

## NAVAL MEDICAL SERVICE.

*Admiralty, 9, New-street, Spring-gardens, S.W.*

Every candidate desirous of presenting himself for admission to the Naval Medical Service must not be under twenty-one nor over twenty-eight years of age. He must produce a certificate from the district registrar, in which the date of birth is stated; or, if this cannot be obtained, an affidavit from one of the parents or other near relative, who can attest the date of birth will be accepted. He must also produce a certificate of moral character. The candidate must make a declaration that he labours under no mental or constitutional disease, nor any imperfection or disability that can interfere with the most efficient discharge of the duties of a medical officer in any climate. He must also attest his readiness to engage for general service, and to proceed on foreign service when required to do so. The candidate must be registered under the Medical Act in force at the time of his appointment as licensed to practise medicine and surgery in Great Britain or Ireland.

Candidates will be examined by the Examining Board in the following subjects:—Anatomy and Physiology; Surgery; Medicine (including Therapeutics and the Diseases of Women and Children); Chemistry and Pharmacy, and a practical knowledge of Drugs. (The examination in Medicine and Surgery will be in part practical, and will include operations on the dead body, the application of surgical apparatus, and the examination of medical and surgical patients at the bedside.) The eligibility of each candidate for the Naval Medical Service will be determined by the result of the examinations in these subjects only.

Candidates who desire it will be examined in Comparative Anatomy, Zoology, Natural Philosophy, Physical Geology, and Botany, with special reference to Materia Medica, also in French and German, and the number of marks gained in these subjects will be added to the total number of marks obtained in the obligatory part of the examination by candidates who shall have been found qualified for admission, and whose position on the list of successful competitors will thus be improved in proportion to the knowledge of these branches of science.

## MEDICAL TEACHERS.

Mr. BECKTON, C.M. (1st Class), continues to prepare for the Preliminary Examination of the Royal College of Surgeons both for Membership and Fellowship, and of the Apothecaries' Hall. — 22, Lewisham High-road, S.E.

Dr. COALES, LL.D., M.A., prepares candidates, by class or private tuition, for the Preliminary Scientific and Matriculation Examinations of the London University, and for the Preliminary Examinations at the College of Surgeons and Apothecaries' Hall. Resident pupils received.—119, Gower-street, W.C.

Dr. JOHN JAMES EBERLE, Principal of the Preparatory Professional College, Easingwold, near York. Established 1874. — Young gentlemen prepared for the Preliminary Examinations in Arts of the Universities, any of the Professions and Services; also for the Primary, Pass, and Competitive Medical and Surgical Examinations. Superior accommodation, with home comforts, without the counter-attractions of town.

Dr. N. HEINEMANN, F.R.G.S., F.R.Hist.Soc., prepares for the Preliminary Examinations &c. — 80, Upper Gloucester-place, Portman-square.

Mr. G. HIND, F.R.C.S., continues his Classes as usual at 29, Newman-street, Oxford-street.

Mr. THOMAS LYLE, B.A., F.R.Hist.S., prepares gentlemen for the Preliminary Examinations of the Apothecaries' Hall, the Royal College of Surgeons, and the University of London. A few Resident Pupils received.—Fern House, 48, Navarino-road, Hackney, E.

Mr. T. MITCHESON, B.A., and Mr. J. BELL, M.A., prepare candidates for the Medical and Legal Preliminary Examinations, in class or by correspondence.—160A, Aldersgate-street, E.C.

Mr. MURRAY, B.A., Arkteon House, Wray-crescent, Tollington-park, N., prepares for the Preliminary Examination at the Royal College of Surgeons and Apothecaries' Hall, and the Matriculation at the University of London.

Mr. WM. NORRIE, M.A. &c., prepares students for the Medical Preliminary and Competitive Examinations generally. A few vacancies for boarders.—9, Abercromby-place, Edinburgh.

Dr. POWER continues his classes for the various Competitive and Pass Examinations, at 8, Red-lion-square, Holborn, W.C.; and receives two House-Pupils at 52, Burton-crescent.

Mr. HENRY SERGEANT, B.A. (Classical Honours) Lond. Univ., prepares for the London University Matriculation, College of Surgeons, Apothecaries' Hall, and the Scotch Universities, privately, in class, or by post.—8, High-street, Camden-town.

Mr. F. A. WHITE, B.A. (Classical and Mathematical Honours) Camb., prepares gentlemen for the London University Matriculation, College of Surgeons, and Apothecaries' Hall.—3, Eastbourne-terrace, Paddington.

Dr. A. WRIGHT, Medical Preparatory College, Finchley, N., directs and supervises the professional studies of candidates for Medical Examinations.

# The Medical Student's Class Guide.

## TABULAR LIST OF THE CLASSES, LECTURERS, FEES, AND DAYS OF OPERATIONS AT THE LONDON HOSPITALS AND MEDICAL SCHOOLS FOR THE SESSION 1879-80.

| LECTURES, ETC. | ST. BARTHOLOMEW'S HOSP. & COL. | | | | | CHARING-CROSS HOSPITAL & COLL. | | | | | ST. GEORGE'S HOSPITAL. | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LECTURERS. | Days and Hours. | FEES. One Course. | FEES. Two Courses. | FEES. Perpetual. | LECTURERS. | Days and Hours. | FEES. One Session. | FEES. Two Sessions | FEES. Full Period. | LECTURERS. | Days and Hours. | FEES. One Course. | FEES. Two Courses. | FEES. Perpetual. |
| **WINTER SESSION.** | | | £ s. | £ s. | £ s. | | | £ s. | £ s. | £ s. | | | £ s. | £ s. | £ s. |
| ANATOMY AND PHYSIOLOGY | Mr. M. Baker<br>Dr. Klein | M. Tu. Th. 2½ | 9 9 | ... | 13 2 | Dr. Silver | M. Tu. W. | 4 4 | 6 6 | 7 7 | Dr. Cavafy | Tu. Th. 3<br>F. 11 | 7 7 | ... | 8 18* |
| ANATOMY, DESCRIPTIVE & SURGICAL | Mr. T. Smith<br>Mr. Langton | Tu. W. Th. F. 9 | 7 7 | ... | 13 2 | Mr. Bellamy | M. W. Th. F. 9 A.M. | 4 4 | 6 6 | 7 7 | Mr. Pick | M. W. F. 3 | 7 7 | ... | 8 18 |
| ANATOMICAL DEMONSTRATIONS | Mr. Cumberbatch<br>Mr. Walsham | Daily, 10½ to 4 | ... | ... | ... | Mr. Cantlie | Daily | 3 3 | 5 5 | ... | Mr. Turner | Daily | ... | ... | ... |
| CHEMISTRY ... ... ... ... | Dr. Russell | M. W. F. 9 | 6 16 | ... | 9 9 | Mr. Heaton | M. W. F. 11 | 5 5 | 6 6 | 7 7 | Mr. Wanklyn | T. Th. S. 11½ | 7 7 | ... | 8 18 |
| MEDICINE ... ... ... ... ... | Dr. Andrew<br>Dr. Gee | M. Tu. Th. | 6 16 | ... | 9 9 | Dr. Pollock | M. W. F. 4 | 4 4 | 6 6 | 7 7 | Dr. Barclay<br>Dr. Dickinson | Tu. Th. S. 9 | 7 7 | ... | 8 18 |
| SURGERY ... ... ... ... ... | Mr. Savory<br>Mr. Callender | W. F. 2½<br>S. 9½ | 6 16 | ... | 9 9 | Mr. Barwell | Tu. Th. S. 9 to 10 | 3 3 | 5 5 | 6 6 | Mr. Holmes<br>Mr. Rouse<br>Mr. Carter, *Oph.* | M. W. F. 9<br>F. 3 | 7 7 | ... | 8 18 |
| HOSPITAL PRACTICE: PHYSICIANS ... ... ... ... | Dr. Andrew<br>Dr. Southey<br>Dr. Church<br>Dr. Gee<br>Dr. M. Duncan & Dr. Godson (*Obstet.*) | Tu. Th. S.<br>M. Tu. Th.<br>Tu. Th. S.<br>M. Tu. Th. F. S.<br>Th. 1½ S. 9 | 6 mths 15 15 | 24 mths 23 12 | Perpet. 33 1 | Dr. Pollock<br>Dr. Silver<br>Dr. Green | Daily, 1 | 6 mths 10 10 | 12 mths 15 15 | 21 0 | Dr. Barclay<br>Dr. Wadham<br>Dr. Dickinson<br>Dr. Whipham<br>*Obst. Phys.:*<br>Dr. Barnes | Daily, 1 | 6 mths 10 10 | 2 years 21 0 | Perpet. 31 10 |
| ASSISTANT-PHYSICIANS ... | Dr. Duckworth<br>Dr. Hensley<br>Dr. Brunton<br>Dr. Legg | T. F. 11<br>W. S. 11<br>M. Th. 11 | ... | ... | ... | Dr. Bruce<br>Dr. Irvine<br>Dr. Lees<br>Dr. Houghton | Tu. F.<br>M. Th. W. S.<br>1.30 | ... | ... | ... | Dr. Cavafy<br>Dr. Watney | ... | ... | ... | ... |
| SURGEONS ... ... ... ... | Mr. Holden<br>Mr. Savory<br>Mr. Callender<br>Mr. T. Smith | Daily<br>M. Th. F. S.<br>Tu. F. S.<br>Daily | 6 mths 19 19 | 12 mths 26 5 | Perpet. 33 1 | Mr. Hird<br>Mr. Barwell<br>Mr. Bellamy | Daily, 1<br>1 to 2 | 6 mths 10 10 | 12 mths 15 15 | 21 0 | Mr. Pollock<br>Mr. Holmes<br>Mr. Rouse<br>Mr. Pick | Daily, 1 | 6 mths 10 10 | 2 years 21 0 | Perpet. 31 10 |
| ASSISTANT-SURGEONS ... ... | Messrs Willett, Langton, M. Baker, & Marsh | W. S. 12<br>M. Th. 12<br>Tu. F. 12 | ... | ... | ... | Mr. Bloxam<br>Mr. Cantlie<br>Mr. Amphlett | M. Th.<br>Tu. Fr.<br>W. S. 1.30 | ... | ... | ... | Mr. Haward<br>Mr. Stirling<br>*Ophth. Surg.:*<br>Mr. B. Carter | ... | ... | ... | ... |
| | *Ophth.-Surgs.:*<br>Mr. Power<br>Mr. Vernon<br>*Dental Surg.:*<br>Mr. Coleman | Tu. Th. S. 1½ | | | | | | | | | | | | | |
| CLINICAL MEDICINE ... ... | Drs. Andrew, Southey, Church, and Gee | Times of Clinical Lectures arranged in accordance with other work | ... | ... | ... | The Physicians and Assistant-Physicians | Weekly | ... | ... | ... | Dr. Wadham<br>Dr. Whipham<br>Dr. Barclay (in Summer) | M. 2 | ... | ... | ... |
| CLINICAL SURGERY ... ... | Messrs Holden, Savory, Callender, & T. Smith | | ... | ... | ... | Mr. Hancock<br>Mr. Hird<br>Mr. Barwell<br>Mr. Bellamy | Weekly | ... | ... | ... | Mr. Pollock<br>Mr. Rouse<br>Mr. Holmes (in Summer) | Tu. 2 | ... | ... | ... |
| CLINICAL MIDWIFERY, &c. | Dr. M. Duncan | ... | ... | ... | ... | Dr. Black | T. F. 1.30 | ... | ... | ... | Dr. Barnes | F. 2 | ... | ... | ... |
| DENTAL SURGERY ... ... | Mr. Coleman | S. 10 | ... | ... | ... | Mr. Fairbank | M W F, 9.30 | ... | ... | ... | Mr. Winterbottom | Tu. 10 | ... | ... | ... |
| | [*Hygiene:* Dr. Thorne M. 10] | Operations W. & S. 1½ Post-mort. exam. daily at 12 & 2½ | | | | | Operations Th. at 2 | | | | | Operations Thurs. at 1 Operations on the Eye, F. 1½ | | | |
| **SUMMER SESSION.** | | | | | | | | | | | | | | | |
| MATERIA MEDICA, &c. ... | Dr. Brunton | Tu. Th. S. 10, W. 11½ | 6 16 | ... | 7 17 | Dr. Bruce | T. Th. S. 10 | 3 3 | 5 5 | 6 6 | Dr. Watney | M. W. F. 3 | 4 14 | ... | 5 15 |
| MIDWIFERY, &c. ... ... ... | Dr. M. Duncan | T. W. F. S 8½ | 5 5 | ... | 6 6 | Dr. Black | M. 4<br>W. Th. F. 3 | 3 3 | 5 5 | 6 6 | Dr. Barnes | M. W. F. 9 | 4 14 | ... | 5 15 |
| BOTANY ... ... ... ... ... | Rev G. Henslow | M. . F. 10 | 4 4 | ... | 5 5 | Mr. Saunders | Tu. Th. S. 9 | 3 3 | 5 5 | 6 6 | Dr. Owen | T. Th. S. F. 8 | 3 13 | ... | 4 14 |
| MEDICAL JURISPRUDENCE | Dr. Southey | M. Tu. S. 9 | 4 4 | ... | 5 5 | Dr. Irvine | ... | 3 3 | 5 5 | 6 6 | Dr. Wadham | Tu. Th. S. 9 | 4 14 | ... | 5 15 |
| PATHOLOGICAL ANATOMY | Dr. Gee | W. 9½ | 2 12 | ... | 4 4 | Dr. Irvine | ... | ... | ... | ... | Dr. Ewart | ... | ... | ... | ... |
| PRACTICAL CHEMISTRY ... | Dr. Russell | M. Tu. F. 11 to 1 | 3 3 | ... | 3 3 | Mr. Heaton<br>Mr. Broadbent | M. F. 10 to 1 | 2 2 | ... | ... | Mr. Wanklyn | Daily, 10 | 4 4 | ... | ... |
| COMPARATIVE ANATOMY... | Dr. Moore | M. Th. 11 | 2 12 | ... | 4 4 | Mr. Blake | ... | ... | ... | 4 4 | Dr. Brailey | M. F. 4 | 4 4 | ... | ... |
| PATHOLOGY & MORB. ANAT. | Dr Legg, Moore & Surg. Regs. | W. 10<br>12, 2½ | ... | ... | ... | Dr. T. H. Green | M. Th. 3<br>W. 4 | 3 3 | ... | ... | Dr. Whipham (in Winter) | Th. 3 | 3 3 | ... | ... |
| OPHTHALMIC SURGERY ... | Mr. Power<br>Mr. Vernon<br>In Winter | Tu. W. 12½<br>M. 2 | 2 12 | ... | 4 4 | R. W. O. H.<br>*Public Health:*<br>Mr. Heaton, Dr. Irvine, & Mr. Eassie | ... | ... | ... | ... | Mr. B. Carter<br>*Pract. Med.:*<br>Dr. Whipham | Fr. 3<br>T. Th. S. 9 in Summer | ... | ... | ... |
| PSYCHOLOGY ... ... ... ... | Dr. Claye Shaw | ... | 2 12 | ... | 4 4 | Dr. Winslow | M. | ... | ... | ... | Dr. Blandford | Tu. 3 | ... | ... | ... |
| DENTAL SURGERY ... ... | Mr. Coleman | ... | 2 12 | ... | 4 4 | Mr. Fairbank | ... | ... | ... | ... | Mr. Winterbottom | Tu. 10 | ... | ... | ... |
| PRACTICAL SURGERY... ... | Mr. Butlin (and in Winter) | ... | ... | ... | ... | Mr. Bloxam<br>Mr. Cantlie<br>Mr. Amphlett | ... | ... | ... | ... | Mr. Haward | M. W. F. 3 | 4 4 | ... | ... |
| PRACTICAL PHYSIOLOGY... | Dr. Harris (and in Winter) | ... | 7 7 | ... | ... | Dr. Silver<br>Mr. Colquhoun<br>Dr. Smith | ... | ... | ... | ... | Mr. Stirling (in Winter) | Tu. Th. S. 10 | 3 3 | ... | ... |
| PRACTICAL PHARMACY ... | Apoth. Depart. | ... | ... | ... | ... | Mr. Sandall | Daily | | | | | | | ... | ... |
| OPERATIVE SURG. (DEMONST.) | Mr. Cumberbatch<br>Mr. Walsham | ... | 5 5 | ... | ... | ... | ... | ... | ... | ... | Mr. Stirling | M. W. F. 3 in Summer | 3 3 | ... | ... |
| DISEASES OF THE EAR ... | Mr. Langton | F. 2½ | ... | ... | ... | Mr. Bloxam | ... | ... | ... | ... | Mr. Dalby | W. 2 | ... | ... | ... |
| DISEASES OF THE SKIN ... | Mr. M. Baker | F. 1½ | ... | ... | ... | Dr. Sangster | M. Th., 1.30 | ... | ... | ... | Dr. Cavafy | Th. 1 | ... | ... | ... |
| ORTHOPÆDIC SURGERY ... | Mr. Willett | F. 12½ | ... | ... | ... | ... | ... | ... | ... | ... | Mr. Haward [*Dis. Throat:* Dr. Whipham] | Th. 2 | | | |
| FEE for all Lectures and Hosp. Med. and Surg. Practice ... | ... | ... | ... | ... | 131 5 | ... | ... | ... | ... | 80 7 | ... | ... | ... | ... | 125 0 |

* This fee includes also *Physiological Chemistry* (Dr. Ralfe, on Mon., Wed., and Fri., at 10 A.M.), and *Histology* (Dr. Watney, on Tues., Thurs., and Sat., at 10 A.M.)

## TABULAR LIST OF THE CLASSES, LECTURERS, FEES, AND DAYS OF OPERATIONS AT THE LONDON HOSPITALS AND MEDICAL SCHOOLS, FOR THE SESSION 1879–80—(CONTINUED.)

| LECTURES, ETC. | GUY'S HOSPITAL. | | | | KING'S COLLEGE AND HOSPITAL. | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | LECTURERS. | Days and Hours. | FEES. One Course. | FEES. — | LECTURERS. | Days and Hours. | FEES. One Course. | FEES. — | FEES. Perpetual. |
| **WINTER SESSION.** | | | £ s. | | | | £ s. | £ s. | £ s. |
| PHYSIOLOGY | Dr. Pye-Smith | M. W. F. 4½ | 7 7 | For the entire of the Lectures and Hospital Practice—In the first year, £50; second year, £50; third year, £37 10s.; perpetual to the whole, 125 guineas. | Dr. Gerald Yeo | Daily, 12½ | 8 8 | ... | 11 11 |
| ANATOMY, DESCRIPTIVE & SURGICAL | Mr. Howse<br>Mr. Davies-Colley | Tu. W. Th. F. 9 | 7 7 | | Dr. Curnow | Daily, 9 | 9 9 | ... | 12 12 |
| ANATOMICAL DEMONSTRATIONS | Mr. Jacobson<br>Dr. Carrington<br>Dr. Horrocks | Daily, 9 to 4 | 7 7 | | Dr. Curnow (Prac. Anat. only) | Daily | 6 6 | ... | 9 9 |
| CHEMISTRY | Dr. Debus<br>Dr. Stevenson | Tu. Th. S. 11 | 7 7 | | Mr. Bloxam<br>Mr. Thompson<br>Mr. Johnson | M. W. Th. S. 10½ | 8 8 | ... | 11 11 |
| MEDICINE | Dr. Wilks<br>Dr. Pavy | M. W. F. 3 | 7 7 | | Dr. Beale | M. 4, W. Th. 3 | 8 8 | ... | 9 9 |
| SURGERY | Mr. Bryant<br>Mr. A. E. Durham | Tu. Th. 3½<br>S. 2½ | 7 7 | | Mr. H. Smith | Tu. W. Th. 4 | 8 8 | ... | 9 9 |
| PRACTICAL SURGERY | Mr. Lucas | ... | 4 4 | | Mr. H. Smith | ... | 3 3 | ... | 5 5 |
| HOSPITAL PRACTICE: | Sir W. Gull and Dr. Owen Rees (cons.) | ... | 3 mths 10 10 | | Dr. G. Johnson<br>Dr. Beale | M. Th. 2<br>Tu. F. 2 | 6 mths 9 9 | 12 mths 12 12 | Perpet. 31 10 |
| PHYSICIANS | Drs. Habershon, Wilks, Pavy, and Moxon | M. Th. S.<br>M. Th. S.<br>M. W. F. | 1½ 6 mths 15 15 | | Dr. Duffin<br>Dr. Playfair (acc.)<br>Dr. Barney Yeo | W. S. 2<br>Tu. Th. S. 1½<br>M. Th. 1 | | | |
| | Dr. Hicks (obst.) | M. Th. F. | | | | | | | |
| ASSISTANT-PHYSICIANS | Drs. Fagge, Pye-Smith, F. Taylor, Goodhart, & Galabin (obst.) | F.<br>Tu.<br>M.<br>Th. S. 12 | Out-patnts. at 12 1 year 24 3 Perp. | | Drs. Ferrier, Curnow, & Baxter<br>Dr. Hayes (accou.) | Tu. F. 1<br>W. S. 1<br>M. W. F. 1½ | | | |
| SURGEONS | Messrs. Cock, Birkett (cons.), Forster, Bryant, Durham, & Howse<br>Mr. Bader (opht.) | M. Th. S.<br>M. Th.<br>M. Th.<br>W. S.<br>M. T | 1½ 31 10 3 mths 10 10 | | Mr. Wood<br>Mr. Lister<br>Mr. H. Smith<br>Mr. Bell<br>Mr. S. H. Cartwright (surg.-dentist)<br>Mr. Soelberg Wells (ophthalmic) | Tu. Th. S. 1½<br>M. W. F. 1½<br>M. W. F. 1½<br>Tu. F. 1<br>Tu. F. 10<br>Tu. Th. S. 1 | 6 mths 9 9 | 12 mths 12 12 | Perpet. 31 10 |
| ASSISTANT-SURGEONS | Mr. Higgens (asst.)<br>Mr. Salter (dent.)<br>Mr. Moon (assist.)<br>Mr. L. Purves (aural)<br>Mr. Davies-Colley<br>Mr. Lucas<br>Mr. Golding-Bird<br>Mr. Jacobson | Tu. F.<br>Th.<br>Tu. F.<br>Tu. F.<br>W.<br>Th.<br>M.<br>S. | Out-patients at 12 6 mths 15 15 1 year 24 3 Perp. 31 10 | | Mr. Rose<br>Dr. G. Yeo | W. S. 1<br>M. Th. 1 | ... | ... | ... |
| CLINICAL MEDICINE | Drs. Habershon, Wilks, Pavy, & Moxon | S. 1½ | ... | | Dr. Duffin<br>Dr. G. Johnson<br>Dr. Beale | Alt. F. 3<br>Alt. M. 3<br>Alt. Tu. 3 | .. | ... | ... |
| | *In Summer:*<br>Drs. Fagge, Pye-Smith, F. Taylor, & Goodhart | W. 1½ | ... | | | | | | |
| CLINICAL SURGERY | Mr. Forster<br>Mr. Bryant<br>Mr. Durham<br>Mr. Howse | W. 1½ | ... | | Mr. Wood<br>Mr. Lister | Tu. Th. 3<br>M. F. 1½ | ... | ... | ... |
| | *In Summer:*<br>Mr. Davies-Colley<br>Mr. Lucas<br>Mr. Golding-Bird<br>Mr. Jacobson | F. 1½ | | | | | | | |
| CLINICAL MIDWIFERY | Dr. Hicks<br>Dr. Galabin | W. 1½<br>Operations Tu. F. at 1½<br>On the Eye, M. F. 1½ | ... | ... | Dr. Playfair | Alt. Th. 3<br>Operations W. 1½ Sat. at 1½ | ... To Med. & Surgical Practice | ... £31 10 or £36 15 | ... |
| **SUMMER SESSION.** | | | | | | | | | |
| MATERIA MEDICA & THERAPEUTICS | Dr. Moxon | Tu. Th. F. 3 | 5 5 | ... | Dr. Baxter | Tu. W. Th. F. 9 | 5 5 | ... | 6 6 |
| MIDWIFERY, &c. | Dr. Hicks | Tu. W. Th. F. 9 A.M. | 7 7 | ... | Dr. Playfair | Tu. W. Th. F. 9 | 5 5 | ... | 6 6 |
| BOTANY | Mr. Bettany | Tu. Th. S. 11½ | 5 5 | ... | Mr. Bentley | M. Tu. Th. F. 12½ | 4 4 | ... | 6 6 |
| MEDICAL JURISPRUDENCE | Dr. Stevenson | Tu. Th. S. 10 | 5 5 | ... | Dr. Ferrier | M. Tu. W. F. 4 | 5 5 | ... | 6 6 |
| DISEASES OF WOMEN | Dr. Galabin | M. 3 | ... | ... | Dr. Playfair | ... | ... | ... | ... |
| PRACTICAL CHEMISTRY | Dr. Debus | M. W. F. 10 to 1 | 7 7 | ... | Mr. C. L. Bloxam<br>Mr. Thompson<br>Mr. Johnson | M. W. F. 10½ | 6 6 | ... | 8 8 |
| PRACTICAL PHYSIOLOGY | Mr. Golding-Bird (in Winter) | M. W. S. | 7 7 | ... | Dr. Gerald Yeo | Tu. F. S. 11½ | 6 6 | ... | 8 8 |
| NATURAL PHILOSOPHY | Mr. Reinold | M. 11 | 4 4 | ... | ... | ... | ... | ... | ... |
| COMPARATIVE ANATOMY | Dr. Brailey (with Zoology) | Tu. Th. 2½ | 5 5 | ... | Mr. J. Bell (in Winter) | M. F. 4 | 4 4 | ... | 6 6 |
| PATHOLOGY AND MORBID ANATOMY | Dr. Fagge<br>Dr. Goodhart | Daily, 2½ (in Sum., S. 9) | 7 7<br>3 3 | ... | Dr. Duffin | W. Th. F. 3 | 3 3 | ... | 4 4 |
| OPERATIVE SURGERY | Mr. Lucas | ... | 7 7 | ... | ... | ... | 6 6 | ... | ... |
| MORBID HISTOLOGY | Mr. Jacobson | W. S. 1 | 4 4 | ... | ... | ... | ... | ... | ... |
| OPHTHALMIC SURGERY | Mr. Bader | Th. 3 | ... | ... | Mr. Wells | M. Tu. W. Th. 9 | 3 3 | ... | ... |
| PSYCHOLOGICAL MEDICINE | Dr. Savage | Tu. 11, F. 10½ | 3 3 | ... | Dr. Sheppard | ... | ... | ... | ... |
| DENTAL SURGERY | Mr. Salter | Th. 12 | ... | ... | Mr. S. H. Cartwright | Tu. F. 9 | 6 6 | ... | 8 8 |
| AURAL SURGERY | Mr. L. Purves | Tu. 12 | ... | ... | Dr. Pritchard | Th. 2 | ... | ... | ... |
| DEMONST. OF CUTANEOUS DISEASES | Dr. Pye-Smith | Tu. 12 | ... | ... | ... | ... | ... | ... | ... |
| VACCINATION | ... | ... | ... | ... | Mr. Dunn | M. 10½ | ... | ... | ... |
| HYGIENE | Dr. F. Taylor | M. Th. 1½ | 3 3 | ... | Dr. Kelly (in Wint.) | F. 3 | 2 2 | ... | ... |
| PRACTICAL PHARMACY | ... | ... | 3 3 | ... | ... | ... | ... | ... | ... |
| FEE for Lectures, and Hospital Medical and Surgical Practice | ... | ... | ... | £131 5 | ... | ... | ... | ... | £125 |

## TABULAR LIST OF THE CLASSES, LECTURERS, FEES, AND DAYS OF OPERATIONS, AT THE LONDON HOSPITALS AND MEDICAL SCHOOLS, FOR THE SESSION 1879-80—(CONTINUED.)

| LECTURES, ETC. | LONDON HOSPITAL. | | | | | ST. MARY'S HOSPITAL. | | | | | MIDDLESEX HOSPITAL. | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LECTURERS. | Days and Hours. | FEES. One Session. | — | Perpetual. | LECTURERS. | Days and Hours. | FEES. One Session. | — | Perpetual. | LECTURERS. | Days and Hours. | FEES. One Session. | Two Courses. | Perpetual. |
| | | | £ s. | £ s. | £ s. | | | £ s. | £ s. | £ s. | | | £ s. | £ s. | £ s. |
| **WINTER SESSION.** | | | | | | | | | | | | | | | |
| PHYSIOLOGY | Mr. M'Carthy | Tu. Th. S. 10 A.M. | 4 4 | ... | 6 6 | Mr. W. Pye | M. W. F. 12 | 4 4 | ... | ... | Mr. Lowne | M. W. F. 9 | 6 6 | ... | 8 8 |
| EXPERIMENTAL PHYSIOL. | ... | ... | ... | ... | ... | Dr. Shepherd | TuW.F.10 | 4 4 | ... | ... | Mr. Lowne (in Summer) | M. W. Th. 9 | 4 4 | ... | 5 5 |
| PATHOL. & MORBID ANAT. | Dr Sutton & Dr S. Mackenzie | F. 9 | 3 3 | ... | 6 6 | Dr. Cheadle | M. Th. 2½ | 4 4 | ... | ... | Dr. Coupland | M. Th. 4½ | | | |
| ANATOMY, DESCRIPTIVE & SURGICAL. | Mr. Rivington ... | M. 3, Tu.W.F.9 | 5 5 | ... | 8 8 | Mr. Edm.Owen | M.Tu.Th. F. 9 | 7 17 | ... | ... | Mr. H. Morris | M.Tu.Th. F. 4 or 4½ | 8 8 | ... | 12 12 |
| ANATOMICAL DEMONSTRATIONS. | [*Pract.Anat.*]: Dr. H. S. Wilson | Daily, 10 to 4 (exc S. aft.) | 5 5 | ... | 8 8 | Mr. Juler & Mr. Griffin (*asst. demonst.*) | Daily M.Tu.Th. M. W. Th. | ... | ... | ... | Mr. Hensman Mr. Sutton | Daily 9 till 4 | 6 6 | ... | 8 8 |
| CHEMISTRY | Dr. Tidy | M. Tu. W. Th. 11 | 7 7 | ... | 7 7 | Dr. Wright Mr Rennie *Dem* | S. 9 A.M. | 6 16 | ... | ... | Mr. W. Foster | M. W. Th. F. 3 or 3½ | 6 6 | ... | 8 8 |
| MEDICINE | Dr. Sutton | M. W. F. 5 | 5 5 | ... | 6 6 | Dr. Broadbent | M. W. T. 4 | ... | ... | ... | Dr. Cayley | Tu. Th. S. 9 | 6 6 | ... | 8 8 |
| SURGERY | Mr. Couper | M. Th. S. 9 A.M. | 5 5 | ... | 6 6 | Mr. J. R. Lane Mr. Norton | Tu. F. 4 W. 3 | 5 5 | ... | ... | Mr. Hulke Mr. Lawson | M. W. Th. 3½ | 6 6 | ... | 8 8 |
| PRACTICAL SURGERY | Mr. Reeves | Tu. S. | ... | ... | ... | Mr. H. Page | M. Th. 11 | ... | ... | ... | Mr. Morris | M. W. 3 or 3½ | 6 6 | ... | ... |
| HOSPITAL PRACTICE: PHYSICIANS | Dr. A. Clark | Daily, 2 | 6 mths 6 6 | 12 mths 12 12 | Perpet. 21 0 | Dr. H. Jones | M. Th. 1½ | 6 mths 9 9 | 12 mths 15 15 | Perpet. 26 5 | Mr. A. Clark | M. W. Th. F. 3 or 3½ | 6 6 | ... | ... |
| | Dr. Ramskill | | | | | Dr. Sieveking | Tu. F. 1½ | | | | Dr. Greenhow | Daily, 1½ | 3 mths | 12 mths | Perp. for |
| | Dr. Down | | | | | Dr. Broadbent | W. S. 1½ | | | | Dr. W. Cayley | Daily, 1½ | 5 5 | 8 8 | Med.& |
| | Dr. Jackson | | | | | Dr. A. Meadows (*obst.*) | Tu. F. 9½ | | | | Dr. R. King | | | | Surg. |
| | Dr. Sutton | | | | | | | | | | Dr. J. H. Davis (*obst.*) | Tu. F. 1½ | | | Prac. |
| | Dr. Palfrey (*obstet.*) | M. Th. 1½ | | | | | | | | | Dr. Edis (*assist. obst.*) | W. S. 1 | | | 26 5 |
| | Dr. Fenwick | Daily, 1½ | | | | | | | | | | | | | |
| ASSISTANT-PHYSICIANS | Dr S. Mackenzie | | | | | | | | | | | | | | |
| | Dr A. E. Sansom | | | | | | | | | | | | | | |
| | Dr. F. C. Turner | ... | ... | ... | ... | Drs. Cheadle, Shepherd, Farquharson & Wiltshire (*obs.*) | Tu. F. 1 W. S. 1 M. Th. 1 Tu. F. 1½ | ... | ... | ... | Dr. Coupland Dr. D. Powell Dr. D. Finlay | Tu. 3½, F. 9 M. Th. 9 Th. 9 S. 3½ | ... | ... | ... |
| | Dr. T. Barlow | | | | | | | | | | | | | | |
| | Dr. G. Smith | | | | | | | | | | | | | | |
| SURGEONS | Mr Hutchinson | Daily, 2 | 6 mths 8 8 | 18 mths 18 18 | 3 years 26 5 | Mr. H. Walton | M. Th. 1½ | 6 mths 11 11 | ... | Perpet. 38 17 | Mr. Hulke | M. Th. 1½ | 3 mths 5 5 | 12 mths 8 8 | Perpet. 25 0 |
| | Mr. Couper | | | | | Mr. J. R. Lane | W. S. 1½ | | | | Mr. G. Lawson | M. Th. 1½ | | | |
| | Mr. Rivington | | | | | Mr. Norton | Tu. F. 1½ | | | | Mr. Morris | Tu. F. 1½ | | | |
| | Mr. J. E. Adams | | 12 mths 12 12 | | | Mr. H. Walton (*ophthalmic*) | M. Th. 1½ | | | | Mr. Turner (*dental*) | Daily, 9.30 A.M. | | | |
| | Mr. W. Tay | Daily, 1½ | | | | Mr. Field (*aur.*) | Tu. F. 2 | | | | Mr. Critchett (*ophth.*) | W. S. 8.30 | ... | ... | 5 5 |
| | Mr. M'Carthy | | | | | Mr. Hayward (*dental*) | W. S. 9½ | | | | | | | | |
| | Mr Barrett, *dent* | Tu. 9 | | | | | | | | | | | | | |
| ASSISTANT-SURGEONS | Mr. Reeves | Daily, 1½ | ... | ... | ... | Mr. Edm. Owen | Tu. F. 1 | ... | ... | ... | Mr. Andr. Clark | M. Th. 1 | | | |
| | | | | | | Mr. H. Page | M. Th. 1 | | | | Mr. R. Lyell | Tu. F. 1 | | | |
| | | | | | | Mr. W. Pye | W. S. 10 | | | | | | | | |
| | | | | | | Drs. Cheadle & Farquharson (*skin dis.*) | Tu. Th. 1½ | | | | | | | | |
| | | | | | | Mr. Norton (*throat dis.*) | W. S. 12½ | | | | | | | | |
| CLINICAL MEDICINE | The Physicians and Asst.-Phys. | twice wk. 2 | ... | ... | ... | Dr. H. Jones Dr. Sieveking Dr. Broadbent | twice wk. | ... | ... | ... | The Physicians | F. 3 | ... | ... | ... |
| CLINICAL SURGERY | The Surgeons and Asst.-Surg. | twice wk. 2 | ... | ... | ... | Mr. H. Walton Mr. J. R. Lane | twice wk. | ... | ... | ... | The Surgeons | Tu. 3 | ... | ... | ... |
| | | Operations, W. at 2 | | | | Mr. Norton | Operatns. W. 1½ P.M. ex. 2 | | | | Superintend. of P.-M. exam.: Dr. Coupland | Operatns W. at 1 P.M. at 2 daily | | | |
| **SUMMER SESSION.** | | | | | | | | | | | | | | | |
| MATERIA MEDICA | Dr. James | Tu. Th. F. 4 | 3 3 | ... | 4 4 | Dr. Farquharson | Tu. W. F. S. 12 | 5 5 | ... | ... | Dr Thorowgood | M. W. F. 4 | 4 4 | ... | 5 5 |
| MIDWIFERY, &c. | Dr. Palfrey | M. Tu. W T. F. 9 | 4 4 | ... | 6 6 | Dr. A. Meadows Dr. Wiltshire | Tu. W. Th. F. 9 | 5 5 | ... | ... | Dr. J. H. Davis | Tu. Th. S. 9 | 4 4 | ... | 5 5 |
| BOTANY | ... | M. W. F. 11 | 3 3 | ... | 4 4 | Rev. J. M. Crombie | M. T. F. 10 | 4 4 | ... | ... | Mr. Hensman | M. W. F. 10 | 4 4 | ... | 5 5 |
| MEDICAL JURISPRUDENCE | Mr. Rodgers Dr. Tidy | Daily, (ex. S.) 10 | 3 3 | ... | 4 4 | Dr. Randall | M. W. F. 11 | 4 4 | ... | ... | Dr. King | M. W. F. 9 | 4 4 | ... | 5 5 |
| PRACTICAL CHEMISTRY | Dr. Tidy | M. Th. S. 9 | 2 2 | ... | ... | Dr. C. R. A. Wright | W. F. S. 9 | 4 4 | ... | ... | Mr. W. Foster [*Psycho. Med.*: Mr. H. Case] | M. W. F. 3 | 3 3 3 3 | ... | ... |
| COMPARATIVE ANATOMY | Dr. E. B. Aveling | Tu. S 8. 10 | 3 3 | ... | 4 4 | Mr. St. Geo. Mivart | W. Th. 10 | 2 12 | ... | ... | Mr. Hensman | Tu. Th. 4 | 3 3 | ... | ... |
| PATHOLOGY AND MORBID ANATOMY. | Dr Sutton & Dr S. Mackenzie | Th. 12½ S. 10 | 3 3 | ... | 6 6 | Dr. Cheadle (in Winter) | M. Th. 3 | 4 4 | ... | ... | | | | | |
| OPERATIVE SURGERY | ... | ... | 6 6 | ... | ... | Mr. Page | ... | ... | ... | ... | Mr. H. Morris | | | | |
| PRACTICAL PHYSIOLOGY | Mr. M'Carthy | ... | ... | ... | ... | ... | ... | ... | ... | ... | Mr. Lowne (in Summer) | M. W. Th. 9 | 4 4 | ... | ... |
| HISTOLOGY AND THE MICROSCOPE. | Mr. M'Carthy (& in Winter) | Tu. Th. 1? | 3 3 | ... | 4 4 | Dr. Shepherd (in Winter) | Tu. W. F. 10 | ... | ... | ... | | | | | |
| OPHTHALMIC SURGERY | Mr. Couper | Tu. F. 8 A.M. | 2 2 | ... | 3 3 | Mr. H. Walton | Th. 2½ | 2 12 | ... | ... | Mr. Critchett | W. S. 9½ & W.3 P.M. | ... | ... | ... |
| AURAL SURGERY | Mr. A. G. Brown | S. 9 A.M. | 2 2 | ... | 3 3 | Mr. Field | F. 3 | 2 12 | ... | ... | Mr. Andr. Clark | Tu. 9 | ... | ... | ... |
| DENTAL SURGERY | Mr. Barrett | ... | 2 2 | ... | ... | Mr. Hayward (in Winter) | ... | 2 12 | ... | ... | Mr. Turner | Daily, 9.30 A.M. | ... | ... | 5 5 |
| DISEASES OF THE SKIN | Mr Hutchinson | ... | ... | ... | ... | Dr. Cheadle (in Summer) | Th. 3 | 2 12 | ... | ... | Dr. R. Liveing | F. 4 | ... | ... | ... |
| DISEASES OF THE THROAT | Dr. M. Mackenzie | in Feb. & March | 2 2 | ... | 3 3 | ... | ... | ... | ... | ... | Mr. Andr. Clark | Tu. 9 | ... | ... | ... |
| PRACT. PHARM. & DISPENS. | Mr. Robertson | ... | ... | ... | ... | ... | ... | 3 3 | 6 6 | 10 10 | Mr. Fardon [*Pub. Health*: Dr. R. Klug] | ... | 5 5 | 8 8 | ... |
| FEE for all the Lectures required by the Colleges and Hall | ... | ... | £52 10 | ... | ... | ... | ... | ... | 65 12 | ... | ... | ... | ... | ... | ... |
| FEE for ditto, and Hospital Medical and Surgical Practice | ... | ... | £105 0 | ... | ... | ... | ... | ... | 107 0 | 102 5 | ... | ... | £90 0 | | |
| | | | or in one sum, £94 10 | | | | | or in one sum... | 106 1 | 125 0 | | | | | |

## TABULAR LIST OF THE CLASSES, LECTURERS, FEES, AND DAYS OF OPERATIONS AT THE LONDON HOSPITALS AND MEDICAL SCHOOLS, FOR THE SESSION 1879-80—(CONTINUED.)

| LECTURES, ETC. | ST. THOMAS'S HOSPITAL AND SCHOOL. | | | UNIVERSITY COLLEGE AND HOSPITAL. | | | | WESTMINSTER HOSPITAL. | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | LECTURERS. | Days and Hours. | FEES. — | LECTURERS. | Days and Hours. | FEES. One Course. | FEES. Perpetual. | LECTURERS. | Days and Hours. | FEES. One Course. | FEES. Two Courses. |
| **WINTER SESSION.** | | | | | | £ s. | £ s. | | | £ s. | £ s. |
| ANATOMY AND PHYSIOLOGY ... ... | Dr. J. Harley | T. W. F. 4 | | *Dr. Sanderson, Mr. E. A. Schafer | Daily, 10 (ex. S.) | 8 8 | 10 10 | Dr. Allchin | M. W. F. 4 | 6 6 | 8 8 |
| PRACTICAL PHYSIOLOGY AND HISTOLOGY | Dr. T. C. Charles (in Summer) | Tu. W. F. 12½ | | | Daily, 12 | 8 8 | ... | Dr. Murrell (& in Summer) | Tu. W. F. 1 to 3 | 7 7 | ... |
| PHYS. DEMONSTRATIONS ... ... | Mr. Hutton | M W F 1 | | | | | | | | | |
| ANATOMY, DESCRIPTIVE AND SURGICAL | Mr. F. Mason | M. T. W. | | ... | Daily, 12 | 11 11 | 16 16 | Mr. Gould | Tu W. Th F. S. 9 | 6 6 | 8 8 |
| ANATOMICAL DEMONSTRATIONS... | Mr. Wagstaffe | Th. F. 9 | | | | | | | | | |
| | Mr. Rainey | Daily, 10 to 4 | | Prof. Thane, Messrs. Godlee, Miller, Williams Horsley, Stokes, Woolbert, and Hoskin | ... | ... | ... | Mr. Black | Daily, 10 to 1 | 4 4 | 6 6 |
| | Mr. Wagstaffe Dr. Reid, Messrs Taylor, Haslam, & Assistants | | | | | | | | | | |
| PATHOLOGICAL ANATOMY ... ... | Dr. Greenfield | F. A. S 11½ | | | | | | | | | |
| CHEMISTRY ... ... ... ... ... ... | Dr. A. J. Bernays | T. Th. F. 10 | | Dr Williamson | Daily, (ex. S.) 11 | 7 7 | 9 9 | Dr. Dupré | W. Th. F. 3 | 6 6 | 8 8 |
| MEDICINE ... ... ... ... ... ... ... | Dr. Bristowe Dr. Ord | M. Th. 4, W. 5 | | Dr. Ringer | Daily, (ex. M. & S.) 9 | 9 9 | 11 11 | Dr. Fincham Dr. Sturges | M. W. Th. 3 | 5 5 | 7 7 |
| SURGERY ... ... ... ... ... ... ... | Mr. S. Jones | M. or Tu. | | Mr. Marshall | Tu. W. F. 4 | 7 7 | 8 8 | Mr. Cowell | Tu. Th. 4 | 5 5 | 7 7 |
| | Mr. Mac Cormac | Th. F. 5 | | | | | | Mr. Davy | F. 3 | | |
| GENERAL PATHOLOGY ... ... ... | Dr. Payne | Tu. 4 | | ... | ... | ... | ... | Dr. Allchin | ... | ... | ... |
| NATURAL PHILOSOPHY ... ... ... | Dr. Stone (*with Physics*) | S. 12 | | Mr. Foster | Tu. Th. | 6 6 | | | | | |
| HOSPITAL PRACTICE: | | | | | | | | | | | |
| PHYSICIANS ... ... ... ... | Dr. Bristowe Dr. Stone Dr. Ord Dr. Harley Dr. Gervis (*obst.*) | Daily, Winter & Summer, 2 | | Dr. W. H. Walshe Dr. Reynolds, Sir W. Jenner, Drs. Fox, Ringer, Bastian, Roberts Hewitt (*acc.*), Dr Crocker, *Skin* | Daily, 1 & 2 Each twice weekly Twice weekly | 12 mths. 15 15 | ... | Dr. Fincham Dr. Sturges Dr. Allchin Dr. Potter (*obst.*) | M. Th 1½ W. S. 1½ Tu. F. 1½ Tu. F. 3 | 12 mths 12 12 | Per-pet. 21 0 |
| ASSISTANT-PHYSICIANS ... ... ... | Drs. Payne, Greenfield, and Cory (*obst.*) | Daily, 12½ | | Dr. Gowers | ... | ... | Per-pet. | Drs Hall, Donkin Bennett, and Grigg [*Throat Dep.*:] Dr. Hall | M. Th. 1 W. S. 1 Tu. F. 1 Tu. F. 1 Th. 3 | ... | 31 0 |
| | | | | Dr. G. V. Poore Dr. Williams (*obst.*) | | | 36 15 | | | | |
| SURGEONS ... ... ... ... ... | Mr. S. Jones Mr. Croft Mr. Mac Cormac Mr. F. Mason Mr. Nettleship (*ophthal.*) | Daily, 2 | | Mr. R. Quain Mr. Erichsen Sir H. Thompson Messrs Marshall, B. Hill, & Heath Mr T. W. Jones Mr Streatfeild (*ophth.*) Mr. Ibbetson (*dent.*) | Daily, 1 & 2 Thrice weekly | ... | ... | Mr. Cowell Mr. Davy Mr. Macnamara Mr. Walker (*surg.-dent.*) [*Ophth. Prac.*: Mr. Cowell] [*Orthopædic*: Mr. Davy] [*Skin*: Mr Bond] | M. Th. 1½ Tu. F. 1½ W. S. 1½ W. S. 9½ M. Th. 3 F. 2½ Th. 2 | 12 mths 12 12 | Per-pet. 21 0 |
| ASSISTANT-SURGEONS ... ... ... | Mr. Wagstaffe Mr Mac Kellar Mr. Clutton | Daily, 12½ | | Mr. M. Beck Mr. Barker Mr. R. J. Godlee | ... | ... | ... | Mr. Cooke Mr. Bond Mr. Keene | M. Th. 1 Tu. F. 1 W. S. 1 | ... | ... |
| CLINICAL MEDICINE ... ... ... ... | The Physicians | After visits | | The Physicians | Fortnitly and Twice a week | ... | ... | Dr. Fincham Dr. Sturges Dr. Allchin | Weekly | ... | ... |
| CLINICAL SURGERY ... ... ... ... | The Surgeons in rotation | After visits | | By the Surgeons | Once a week and Fortnitly. | ... | ... | Mr. Cowell Mr. Davy Mr. Macnamara | Weekly | ... | ... |
| CLINICAL MIDWIFERY, &c. ... ... | Dr. Gervis [*Vac.*: Dr. Cory, W. 11½.] | Tu. 4 Operations, W. S. 1½ *oph.* F. 2 | | Dr. G. Hewitt Dr. Williams | Fortnitly. Operations, W. at 2 | ... | ... | Dr. Potter [*Morb. Anat.*: The Pathologist] [*Minor Surg. & Bandaging* in Summer] | Altern. F. 3 P.-mort. exam. 2 Operations, Tu. at 2 | ... | ... |
| **SUMMER SESSION.** | | | | | | | | | | | |
| MATERIA MEDICA, &c. ... ... ... | Dr. Stone | M. W. F. 9 A.M. | | Dr. Roberts | Daily, 3 (ex. M.) 10 | 6 6 | 7 7 | Dr. Phillips | Tu. Th. S. 9 | 3 3 | 4 4 |
| MIDWIFERY, &c. ... ... ... ... ... | Dr. Gervis | M. Tu. Th. F. 4 | | Dr. Hewitt | Daily, (ex. M. Th.) 9 | 6 6 | 7 7 | Dr. Potter | Tu. W. Th. F. 4 | 3 3 | 4 4 |
| BOTANY ... ... ... ... ... ... ... | Mr. A. W. Bennett | Tu. W. S. 10 | | Prof. Oliver | Daily, (ex. S.) 8 | 3 13 | 5 5 | Mr. Worsley-Benison | M. W. F. 9, Th. 10 | 3 3 | 4 4 |
| MEDICAL JURISPRUDENCE ... ... | Dr. Payne Dr. Cory | Tu. Th. S. 9 | | Dr. Maudsley | Tu. W. Th. F. 10 | 4 4 | 5 5 | Mr. Bond Dr. Dupré | M. Th. F. 3 | 3 3 | 4 4 |
| PRACTICAL CHEMISTRY ... ... ... | Dr. Bernays | M. Th. F. 10 to 12 | | Dr. Williamson | Daily, (ex. S.) 11 | 5 5 | ... | Dr. Dupré | M. W. F. 10-12 | 4 4 | ... |
| STATE MEDICINE... ... ... ... ... | Dr. A. Carpenter | W. 4 | | | | | | | | | |
| MENTAL DISEASES ... ... ... ... | Dr. Rayner (with Med. Jur.) | F. 12 | | ... | ... | ... | ... | Dr. Sutherland | ... | ... | ... |
| HYGIENE AND PUBLIC HEALTH... | | ... | | Dr. Corfield | Tu. Th. 4 | 2 2 | ... | Mr. Bond | ... | ... | ... |
| CLINICAL MEDICINE ... ... ... ... | The Physicians | After visits | | As in Winter | ... | ... | ... | As in Winter | ... | ... | ... |
| COMPARATIVE ANATOMY... ... ... | Mr. C. Stewart (with Zoology) | M. Th. 12 | | Prof. Lankester (in Winter) | W. Th. F. 1 | 5 5 | 7 7 | Dr. Carter Blake | W. S. 11 | 2 2 | ... |
| PATHOLOGY & MORBID ANATOMY | Dr. Reid Dr. Sharkey | Daily, 2 | | Dr. Bastian | M. Th. F. 9 (ex. F. 4) | 6 6 | 7 7 | Dr. Allchin (in Summer) | M. W. Th. 4 | 3 3 | 4 4 |
| OPHTHALMIC SURGERY ... ... ... | Mr. Nettleship | M. 5 | | †Mr T. W. Jones | Tu. Th. | 1 1 | ... | Mr. Cowell | M. 2½ | ... | ... |
| DENTAL SURGERY ... ... ... ... | Mr. Elliott | Tu. F. 11 | | † Mr. Ibbetson | M. Th. 4 | 2 2 | ... | Mr. Walker | W. 9½ | 2 2 | ... |
| PRACTICAL SURGERY... ... ... ... | Mr. Ranger Mr. Croft Mr. Mac Kellar (and in Wint.) | Tu. F. 5 S. 9 | | † Prof. B. Hill † Mr. M. Beck † Mr. Barker | M. Th. 4 | 6 6 | ... | Mr. Cowell (in Winter) Mr. Davy | M. W. 3 Tu. Th. 4 | ... | ... |
| OPERATIVE SURGERY ... ... ... | ... | ... | | Mr. Beck | ... | 5 5 | ... | | | | |
| PRACTICAL PHARMACY ... ... ... | Mr. Plowman [*Med. Sec.*: | ... | | Mr. Gerrard | ... | 5 5 | ... | Mr. Beer | ... | 3 3 | 5 5 |
| FEE for Lectures and Hospital Practice | Dr. Gillespie] | ... | £125 | Mr. Clover (*Anæsthetics.*) | ... | ... | £ s. 131 5 | In 1 sum, £72 10s. In 2 do., £98. In 5 do., £107 2s. No extras exc. for dissections. | | | |

Fees for the entire of the Lectures and Hospital Practice in the first year, £100; second year, £90; £30 for the third. Perpetual to the whole, £135, in one payment, or in two payments of £70 on entrance and £80 in second year. Special entries may be made to any Course of Lectures, or to Hospital Practice, or by second and third years' students.

* In Summer. † In Winter.

## TABULAR LIST OF THE CLASSES, LECTURERS ETC., AND FEES, AT THE PROVINCIAL SCHOOLS OF MEDICINE, FOR THE SESSION 1879-80.

| LECTURES, ETC. | BIRMINGHAM QUEEN'S COLLEGE. | | | BRISTOL MEDICAL SCHOOL. | | | | CAMBRIDGE UNIVERSITY. | | | LEEDS SCHOOL OF MEDICINE. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LECTURERS. | Days and Hours. | FEES. One Course. | LECTURERS. | Days and Hours. | FEES. One Course. | FEES. Perpetual. | LECTURERS. | Days and Hours. | FEES. Sessional Course. | LECTURERS. | Days and Hours. | FEES. |
| **WINTER SESSION.** | | | £ s. | | | £ s. | £ s. | | | £ s. | | | £ s. |
| ANATOMY AND PHYSIOLOGY | Dr. R. Norris<br>Mr. T. H. Bartleet<br>Dr. Carter | M. Th. 4 | 5 5 | Dr. Smith | M. W. F. 10 | 5 5 | ... | Prof. Humphry | Tu. Th. S. 1 | | Messrs. Wright and Horsfall | M. W. Th. 12 | 6 6 |
| ANATOMY, DESCRIPTIVE & SURGICAL | Mr. Wm. Thomas<br>Dr. R. Jolly | M. Tu. Th. F. 11.30 | 5 5 | Mr. Cross | M. 11 Tu.Th.S.10 | 5 5 | ... | Prof. Humphry<br>Dr. Creighton | Daily, 9 | 5 5 | Messrs. Nunneley and Robinson | Tu. Th. F. S. 10 | 6 6 |
| ANATOMICAL DEMONSTRATIONS | Mr. Bennett May<br>Mr. H. Eales | Daily | 4 4 | Mr. Harsant | ... | ... | ... | Dr. Creighton | Daily | | Mr. M'Gill<br>Mr. Robson | ... | ... |
| PRACTICAL PHYSIOLOGY | ... | ... | ... | ... | ... | ... | ... | Dr. M. Foster (and in Summer) | M. W. F. 12 | 2 2 | | | |
| CHEMISTRY | Dr. A. B. Hill | M. W. F. 1 | 4 4 | Mr. Coomber | M. W. F. 9 | 5 5 | ... | Prof. Liveing (and *Prac. Chemis.*) | M. Tu. Th. F. 12 | 3 3 | Prof. Thorpe | M. Tu. W. Th. 4 | 5 5 |
| MEDICINE | Dr. B. W. Foster | Tu. W. F. 3 | 5 5 | DrsSpencer & Skerritt | M. W. F. 9 | 5 5 | ... | Prof. Paget | M. W. F. 9 | 3 3 | Drs. Allbutt & Eddison | M. Tu. W. 1 | 5 5 |
| THERAPEUTICS | ... | ... | ... | ... | ... | ... | ... | Prof. Latham | Tu. Th. 8 | | | | |
| SURGERY | Mr. Pemberton<br>Mr. F. Jordan | Tu. W. F. 4 | 5 5 | Mr. Dobson | Tu. Th. S. 9 A.M. | 5 5 | ... | ... | ... | ... | Mr. Jessop<br>Mr. Atkinson | M. Th. S. 9 | 5 5 |
| HOSPITAL PRACTICE | | | | | | | | | | | | | |
| PHYSICIANS | GENERAL HOSPITAL AND QUEEN'S HOSPITAL. | ... | 31 10<br>31 10 | BRISTOL ROY. INFIRMARY, AND BRISTOL GENERAL HOSPITAL. | Daily, 11¼ to 3 | ... | ... | ADDENBROOKE'S HOSPITAL.<br>Prof. Paget<br>Prof. Latham<br>Dr. Bradbury | Daily | 6 mths.<br>8 8<br>12 | LEEDS GENERAL INFIRMARY.<br>Dr. Heaton<br>Dr. Allbutt<br>Dr. Eddison | ... | ... |
| SURGEONS | (*See Additional Information on Schools.*) | ... | ... | (*See Additional Information on Schools.*) | ... | ... | ... | Mr. Lestourgeon<br>Prof. Humphry<br>Mr. Carver | Daily | mths.<br>10 10<br>perp.<br>15 15 | Mr. Wheelhouse<br>Mr. T. P. Teale<br>Mr. Jessop<br>Mr. Atkinson | ... | ... |
| **SUMMER SESSION.** | | | | | | | | | | | | | |
| MATERIA MEDICA, &c. | Dr. Sawyer | M. W. F. 4 | 3 3 | Dr. Shaw | Tu. Th. S. 9 A.M. | 3 3 | ... | Prof. Latham (and *Pharmacy*) | Tu. Th. S. | 2 2 | Dr. Churton | M. W. Th. 9 | 4 4 |
| MIDWIFERY, &c. | Mr. Clay and Dr. Bassett | M. Tu. Th. F. 1 | 4 4 | Dr. Swayne<br>Dr. Lawrence | Daily (ex. S.) 8 A.M. | 4 4 | ... | ... | ... | 2 2 | Mr. W. N. Price<br>Dr. J. Braithwaite | M. Tu. Th. F. 4 | 4 4 |
| | Mr. Berry and Dr. R. C. R. Jordan (*Dis. Wom. & Chil.*) | | | | | | | [*Mycology*: Prof. Humphry]<br>[*Osteology*: Prof. Humphry] | | | | | |
| PRACTICAL SURGERY | ... | ... | ... | Mr. Prichard | Tu. Th. S. 9 | 3 3 | } | | | | | | |
| OPERATIVE SURGERY | Mr. Pemberton<br>Mr. F. Jordan | ... | ... | Mr. Keall | Tu. Th. S. 9 A.M. | 3 3 | }* | | | | | | |
| BOTANY | Dr. Hinds | M. W. F. 3 | 3 3 | Mr. Leipner | M. W. F. 8 A.M. | 3 3 | ... | Prof. Babington | M. W. F. 1 | 1 1 | Prof. Miall | Tu. W. F. 3 | 4 4 |
| MEDICAL JURISPRUDENCE | Mr. Wilders<br>Mr. A. C. Bruce | M. Tu. F. 12 | 3 3 | Dr. Eager<br>Mr. Stoddart | M. Th. S. 10 A.M. | 3 3 | ... | ... | ... | ... | Mr. Scattergood | M. Tu. Th. F. 5 | 4 4 |
| MENTAL DISEASES | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Dr. H. C. Major | F. 3, S. 4 | ... |
| PRACTICAL CHEMISTRY | Mr. A. C. Bruce | Tu. Th. 2 | 3 3 | Mr. Coomber | W. F. 9 A.M. | 3 3 | ... | Prof. Liveing<br>Dr. Hicks | Daily | ... | Prof. Thorpe | M. W. 10 | 4 4 |
| COMPARATIVE ANATOMY | Dr. R. Saundby | ... | 3 3 | Mr. Sollas | Tu. W. F. 10 A.M. | 4 4 | ... | † Prof. Newton (in Winter) | M. Tu. F. 1 | ... | Prof. Miall | M. Th. 3 | 2 2 |
| PATHOLOGY AND MORBID ANATOMY | Dr. E. Rickards (in Winter) | Th. 3 | ... | Dr. Spencer<br>Dr. Skerritt | M. W. F. 9 A.M. | 3 3 | ... | Dr. Bradbury | M. Tu. Th. F. 9 | ... | Mr. M'Gill | Tu. 3, F. 2 | 3 3 |
| PRACTICAL HISTOLOGY | Dr. Norris | ... | ... | Mr. Atchley | Tu. Th. S 8 A.M. | 3 3 | ... | Dr. Creighton | S. 12¼ | ... | Mr. Walker (*Physiology*) | T. Th. F. S. 10 | 6 6 |
| DENTAL PHYSIC AND SURGERY | Mr. Howkins | ... | 3 3 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| CLINICAL MEDICINE | The Physicians of the two Hospitals. | ... | ... | ... | Weekly | ... | ... | The Physicians | F. 11 | ... | Dr. Heaton<br>Dr. Allbutt<br>Dr. Eddison | Th. 10, F. 2 | ... |
| | [*Ophthal. Surg.*: Mr. Solomon] | ... | 3 3 | | | | | | | | | | |
| CLINICAL SURGERY | The Surgeons of the two Hospitals. | ... | ... | ... | Ditto | ... | ... | The Surgeons | Th. 11 | ... | Surgeons of the Infirmary | Tu. F. 9 | ... |
| | [*Hon. Curats. Museum*: Drs. Carter & Saundby] | | | | | | | [*Pract. Surgery*: The Surgeons] | Daily | | | | |
| FEES for all the Lectures required by the College and Hall | ... | ... | £63 0 | ... | ... | £63 0 | | ... | ... | ... | ... | ... | £50 8 |
| Ditto, and for Hospital Medical and Surgical Practice | ... | ... | £42 0 | ... | ... | £103 0 | | ... | ... | ... | ... | ... | £42 0 |

* Two Courses, £5 5 † With Zoology.

## TABULAR LIST OF THE CLASSES, LECTURERS, ETC., AND FEES, AT THE PROVINCIAL SCHOOLS OF MEDICINE FOR THE SESSION 1879-80.

| LECTURES, ETC. | DURHAM UNIVERSITY COLLEGE OF MEDICINE, NEWCASTLE-ON-TYNE. | | | | LIVERPOOL ROYAL INFIRMARY SCHOOL OF MEDICINE. | | | OWENS COLLEGE (MANCHESTER ROY.) SCHOOL OF MEDICINE. | | | SHEFFIELD SCHOOL OF MEDICINE. | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Fees. | | | | | | | Fees. | | | Fees. | |
| | Lecturers. | Days and Hours. | One Course. | — | Lecturers. | Days and Hours. | Fees. | Lecturers. | Days and Hours. | One Course. | Lecturers. | Days and Hours. | One Course. | — |
| **WINTER SESSION.** | | | £ s. | | | | £ s. | | | £ s. | | | £ s. | |
| ANATOMY & PHYSIOLOGY | Dr. Drummond (*Physiology only*) | Thrice weekly, 3 | 4 4 | ... | Dr. Caton (*Physiology only*) | Tu. Th. S. 9½ | 4 4 | ... | ... | ... | Dr. Dy on / Mr. James | *Anat.* M. W. 12½ / *Phys.* M. W. 1 | 3 3 | ... |
| PRACTICAL PHYSIOLOGY | Dr. Drummond | ... | 4 4 | ... | Mr. Paul (Demonstrator) | W. S. 2 | ... | Prof. A. Gamgee‡ / Mr. Priestley (*With Histology*) | M. Tu. W. Th. F. 11½ | 5 5 | Dr. Gwynne | ... | 3 3 | ... |
| ANATOMY, DESCRIPTIVE & SURGICAL | Mr. J. Russell / Mr. Mears | Four days weekly, 8½ A.M. | 4 4 | ... | Mr. Banks | Daily, 11 | 4 4 | Prof. Watson | Daily (ex. S.) 1 | ... | Mr. E. Skinner / Mr. Snell | M. W. F. 6 / Tu. Th. 5 | 4 4 | 2 2 |
| ANATOMICAL DEMONSTRATIONS | Mr. Mears (*Dissections*) | Daily, from 10 to 4 | 4 4 | ... | Mr. Briggs | ... | 3 3 | Prof. Watson, Messrs. Young & Branfoot | Daily, 9½ to 4½ | 5 5 | Mr. R. J. Pye Smith / Dr. Davison | Daily | 2 2 | ... |
| CHEMISTRY | Prof. Marreco | M. Tu. W. Th. F. 11 | 5 5 | ... | Dr. Brown | M. Tu. Th. F. 3 | 5 5 | Prof. Roscoe / Prof. Schorlemmer | Daily, 9½ | 3 3 | Mr. Allen | M. W. F. 11½ | 4 4 | 2 2 |
| MEDICINE | Prof. Philipson | M. W. F. 5 | 4 4 | ... | Dr. Waters | M. W. F. 9½ | 4 4 | Prof. Morgan / Prof. Roberts | M. 4, Tu. Th. 3 Tu. F. 9½ | 5 5 | Drs. Bartolomé, Banham, & Thomas | Tu. W. | 4 4 | ... |
| SURGERY | Dr. Heath | M. W. F. 6 | 4 4 | ... | Mr. Parker | M. W. Th. 3 | 4 4 | Prof. Lund | M. W. F. 3 | 5 5 | Mr. W. F. Favell / Mr. A. Jackson | M. W. F. 8 A.M. | 4 4 | ... |
| PRACTICAL SURGERY | Dr. Heath / Dr. Arnison | ... | 4 4 | ... | ... | M. Th. 4 | 4 4 | Mr. Bradley | Tu. Th. 12 | ... | The House-Surg. at the Infirmary | ... | ... | ... |
| PATHOLOGY | ... | ... | ... | ... | Dr. Davidson | Tu. 4 | 3 3 | Dr. Simpson / Dr. Dreschfeld | M. 3, Tu. Th. 4 | 4 4 | ... | ... | ... | ... |
| PUBLIC HEALTH | Mr. Armstrong | T. 3 | 4 4 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| HOSPITAL PRACTICE: | NEWCASTLE INFIRMARY. | | | | LIVERPOOL ROYAL INF. | | | MANCHESTER ROYAL INFIRMARY. | Daily, 8½ to 12 | | SHEFFIELD GEN. INFIRMARY. | | | |
| PHYSICIANS | Dr. Philipson / Dr. Gibson / Dr. Drummond / Dr. Oliver | Each twice weekly, 11 | 6 mths 5 5 | 12 months, £7 7 Perpetual, £17 17 | Dr. Waters / Dr. Glynn / Dr. Davidson | 12 to 2½ | 6 mon. 5 5 / 12 mon. 6 6 | The Physicians | ... | Compositions for full period, £42 | Dr. Bartolomé / Dr. Law / Dr. Banham | T. Th. S. 11 / M. W. S. 11 / M. W. Th. S. 11½ | ... | Perpet. £15 15; £21 / 12 mths' prac., £10 10 / 6 months, £5 5s. |
| SURGEONS | Dr. Heath / Dr. Arnison / Dr. Armstrong / Dr. Hume | Each twice weekly, 10 | | | Mr. Bickersteth / Mr. Harrison / Mr. Banks | 12 to 2½ | 6 mon. 6 6 | The Surgeons | ... | | Messrs. Barber, Favell, & A. Jackson | ... | ... | |
| ASSISTANT-SURGEONS | Dr. Page / Mr. T. A. Dodd | Once weekly, 11 | ... | ... | Mr. Parker | ... | 12 mon. 8 8 | | | | PUB. HOSP. & DISP. Drs. Branson, Dyson, Thomas, & Keeling; Messrs. Thorpe & Pye-Smith | | | |
| **SUMMER SESSION.** | [*Therapeutics*: Dr. Barron] | M. W. F. | 4 4 | | | | | | | | | | | |
| MATERIA MEDICA | Mr. McBean | Daily, 4½ | 4 4 | ... | Dr. Carter | Tu. Th. S. 9 A.M. | 4 4 | Mr. A. Somers / Dr. Leech | M. W. 1 Tu. Th. 12 | 4 4 | Dr. Young | M. W. F. 8 A.M. | 3 3 | ... |
| MIDWIFERY, &c. | Dr. Nesham / Dr. Gibson* | Daily, 8½ A.M. | 4 4 | ... | Dr. Wallace / Dr. Gee (*child dis.*) | M. W. F. 9 / W. F. 9 | 4 4 | Dr. Thorburn | M. 12 T. Th. F. 1 | 4 4 | Dr. Hime | M. W. F. 8 P.M. | 3 3 | ... |
| BOTANY | Dr. Murphy | ... | 4 4 | ... | Dr. Shearer | M. W. F. 3 | 3 3 | Prof. Williamson | Daily (ex. S.) 2½ | 2 12 6 | Mr. Birks | Tu. Th. 8 | 3 3 | ... |
| MEDICAL JURISPRUDENCE | Dr. Page | Tu. Th. F. 3 | 4 4 | ... | Dr. E. Whittle | M. W. F. 3 | 3 3 | Dr. Ransome (*With Public Health*) | Tu. Th. F. 2 | 4 4 | Mr. Harrison | Tu. Th. 5 | 3 3 | ... |
| PRACTICAL CHEMISTRY | Prof. Marreco | Daily, 10 to 5 | 4 4 | ... | Dr. Brown | M. Tu. Th. 10 | 3 3 | Prof. Roscoe | M. W. 12½ | 5 5 | Mr. Allen | M. W. F. 11 | 3 3 | ... |
| COMPARATIVE ANATOMY | Dr. Brady | ... | 4 4 | ... | Dr. Dickinson | Twice wkly. | 3 3 | Dr. A. M. Marshall† | Daily (ex. S.) 2½ | 4 14 6 | ... | ... | ... | ... |
| PATHOLOGY & MORBID ANATOMY | Dr. Gibb | W. 6 | 4 4 | ... | ... | ... | ... | ... | ... | ... | The House-Surg. at the Infirmary | ... | 3 3 | ... |
| OPHTHALMIC SURGERY | [*Ment. Diseases*: Mr. Wickham Tu. 3 P.M.] | ... | ... | ... | Mr. Walker† / Mr. Snape / Mr. Stewart | W. 4 | 1 1 | Dr. Little | W. F. 4 | 3 3 | Mr. Snell / Dr. Merryweather | W. 12½ | ... | ... |
| DENTAL SURGERY & MECHANICS | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| OPERATIVE SURGERY | Dr. Armstrong | ... | 4 4 | ... | Mr. Parker | Thrice wkly. | 2 2 | ... | ... | ... | Mr. Favell | ... | 3 3 | ... |
| CLINICAL MEDICINE | Phys. and Surg. of Infirmary | ... | ... | ... | Phys. and Surg. of Roy. Infir. | ... | ... | Physicians and Surgeons of the Royal Infirmary | ... | ... | Phys. & Surg. of Gen. Infirm. & Pub. Hosp. & Dispensary | Tu. 8 P.M. F. 7 P.M. Th. 5½ P.M. | ... | ... |
| CLINICAL SURGERY | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| FEE for all Lectures required by the College and Hall | ... | ... | ... | £52 10 | ... | ... | £52 10 | ... | ... | £63 | ... | ... | ... | £45 0 |
| Ditto for Hospital Medical & Surgical Practice | ... | ... | ... | £17 17 | ... | ... | £33 12 | ... | ... | £42 | ... | ... | ... | £36 15 |

* Diseases of Women and Children. † In Winter. ‡ Physiol. Labora'. Prof. Gamgee, daily, 9½ to 4½.

## TABULAR LIST OF THE CLASSES, LECTURERS ETC., AND FEES, AT THE MEDICAL SCHOOLS OF SCOTLAND, FOR THE SESSION 1879-80.

* Diseases of Women and Children. † In Winter. ‡ Physiol. Labora'. Prof. Gamgee, daily, 9 to 4. ‖ Messrs. J. Bell and Chiene, and Drs. Watson and Duncan, 4 P.M., £2 2s. each.

## TABULAR LIST OF THE CLASSES, LECTURERS ETC., AND FEES, AT THE MEDICAL SCHOOLS OF SCOTLAND, FOR THE SESSION 1879-80.

| LECTURES, ETC. | ABERDEEN UNIVERSITY. | | | EDINBURGH UNIVERSITY. | | | SCHOOL OF MEDICINE, EDINBURGH. | | | | | GLASGOW UNIVERSITY. | | | GLASGOW, ANDERSON'S COLL. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Lecturers. | Hours | Fees. One Course. | Lecturers. | Hours. | Fees. — | Lecturers. | Hours. | Fees. First Course. | Fees. Second Course. | Fees. Perpetual. | Professors. | Hours | Fees. One Course. | Lecturers. | Hours. | Fees. One Course. |
| **WINTER SESSION.** | | | £ s. | | | £ s. | | | £ s. | £ s. | £ s. | | | £ s. | | | £ s. |
| ANATOMY, DEMONSTRATIONS, &c. | Dr. Struthers | 11, 9 | 5 5 | Mr. Turner | 1, 4 | ... | Dr. Handyside | 9 to 4 | 7 9 | 6 8 | ... | Dr. J. Cleland | 11, 2 | 6 6 | Dr. A. M. Buchanan | 1, 4 | 4 4 |
| | | | | | | | Mr. Symington | 9 to 4 | 7 9 | 6 8 | ... | | | | | | |
| CHEMISTRY (Practical, &c.) ... ... | Mr. Brazier | 3 | 3 3 | Dr. Crum Brown (Adv. Class in Sum.) | 10 | 7 7‡ | Dr. S. Macadam | 10 | 3 5 | 2 4 | 5 5 | Mr. J. Ferguson | 10 | 3 3 | Mr. Dittmar | 10 | 2 2 |
| | | | | | | | Messrs. King, Macadam, Drinkwater & Buchanan§ | 10 | 3 5 | 2 4 | 5 5 | | | | | | |
| PHYSIOLOGY (Inst. of Medicine) ... | Dr. Stirling (*Pract.* in Summer) | 2 | 3 3 | Dr. Rutherford | 11 | 4 4 | Dr. James § | 11 | 3 5 | 2 4 | 5 5 | Dr. McKendrick | 12 | 3 3 | Dr. McVail (*Practical* §) | 5 5 | 2 2 ... |
| GENERAL PATHOLOGY, &c. ... ... | Dr. Rodger | ... | 2 2 | Dr. Sanders | 9 | 4 4 | Dr. Waller | 9 | 3 5 | 2 4 | 5 5 | ... | 3 | 3 3 | (In Infirmary) | ... | ... |
| MEDICINE ... ... ... ... ... ... ... | Dr. Smith-Shand | 3 | 3 3 | Dr. Grainger-Stewart | 3 | 4 4 | Dr. Claud Muirhead | 3 | 3 5 | 2 4 | 5 5 | Dr. Gairdner | 11 | 3 3 | Dr. Charteris | 10‡ | 2 2 |
| | | | | | | | Dr. J. Wyllie | 3 | 3 5 | 2 4 | 5 5 | | | | | | |
| SURGERY ... ... ... ... ... ... ... | Dr. Pirrie | 10 | 3 3 | Mr. Spence | 10 | 4 4 | Dr. P. H. Watson | 10 | 3 5 | 2 4 | 5 5 | Dr. Macleod | 1 | 3 3 | Dr. Dunlop | 3 | 2 2 |
| | | | | | | | Mr. Chiene | 10 | 3 5 | 2 4 | 5 5 | | | | | | |
| | | | | | | | Dr. John Duncan | 10 | 3 5 | 2 4 | 5 5 | | | | | | |
| | | | | | | | Dr. A. G. Miller | 10 | 3 5 | 2 4 | 5 5 | | | | | | |
| MIDWIFERY, &c. ... ... ... ... ... | Dr. Stephenson | 4 | 3 3 | Dr. Simpson (Dis. Wom. & Chil.) | 11 | 4 4 | Dr. A. Macdonald | 11 | 3 5 | 1 3 | ... | Dr. Leishman | 4 | 3 3 | (In Summer) | ... | ... |
| MEDICAL JURISPRUDENCE, &c. ... | Dr. Ogston | 9 | 3 3 | Dr. D. Maclagan§ | 11 | 4 4 | Dr. Keiller | 11 | 3 5 | 2 4 | 5 5 | | | | | | |
| | | | | | | | Dr. Littlejohn§ | 2 | 3 5 | 2 4 | 5 5 | Dr. Simpson§ | 11 | 3 3 | Dr. Alex. Lindsay | 4 | 2 2 |
| NATURAL HISTORY ... ... ... ... | Dr. Ewart | 2 | 3 3 | Sir C. W. Thomson | 2 | ... | Dr. Husband § | ... | 3 5 | 2 4 | 5 5 | | | | | | |
| NATURAL PHILOSOPHY ... ... ... | Mr. Thomson | 9 | 3 3 | Mr. Tait | 11 | 3 3 | Dr. Andrew Wilson | 3 | 3 5 | 2 4 | 5 5 | Dr. Young | 9 | 3 3 | ... | ... | ... |
| VACCINATION ... ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Sir W. Thomson | 9, 11 | 4 4 | ... | ... | ... |
| HOSPITAL PRACTICE: | Aberdeen R. Inf. | | | Edin. Royal Inf. | | | Dr. Husband§ | ... | 1 1 | ... | ... | ... | ... | ... | In Infirmary | ... | 1 1 |
| | | | | | | | Edin. Royal Inf. | | | | | Glasgow Roy. Inf. and Western Inf. | | | Glasgow Roy. Inf. | | |
| Physicians ... ... ... ... | Drs. J. F. Smith-Shand, Beveridge, and A. Fraser | Daily, 12 | One year, £3 10s. Perpetual, £8. | ... | 12 | Perpetual ticket, £10 | Dr. Balfour | 12 | 1 year, £5 5s. | 6 months, £3 3s. | Perpetual, £10 at one payment. | Drs Scott Orr, Perry, M'Laren, Charteris, & A. Wood Smith *Out-patients:* Drs. Mather and Lawrie | Daily, 9 | 1st year, £10 10s.; 2nd year & perpetual, £10 10s. | Drs Scott Orr, Perry, M'Laren, Charteris, & A. Wood Smith *Out-patients:* Drs. Mather and Lawrie | Daily, 9 | 1st year, £10 10s.; 2nd, £10 10s.; afterwards free; 6 months, £4 4s. |
| | | | | | | | Dr. Muirhead | | | | | | | | | | |
| | | | | | | | Dr. Brakenridge | | | | | | | | | | |
| | | | | | | | Dr. Macdonald | | | | | | | | | | |
| Surgeons ... ... ... ... ... | Drs. Pirrie, A. Ogston, Will, Mr. Williamson (*dental*) | Daily, 12 | | ... | ... | | Dr. Watson | 12 | | | | The Physicians and Surgeons of the Infirmaries | 9 | | Drs. E. Watson, Morton, Dunlop, Macewen, and H. Cameron *Out-patients:* Drs. Lothian and Clarke | 9 | 1st year, £10 10s.; 2nd, £10 10s.; afterwards free; 6 months, £4 4s. |
| | | | | | | | Mr. J. Bell | | | | | | | | | | |
| Assistant-Surgeons ... ... ... | Dr. Garden | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | The Physicians | 9 | ... |
| CLINICAL MEDICINE ... ... ... ... | Drs. J. F. Smith-Shand, Beveridge, and A. Fraser | 1 | 3 3 | Drs. Maclagan, Sanders, Grainger-Stewart, & Fraser, and Dr. Simpson (Dis. of Women) § | Tu. F. 12 to 2 | 4 4 | Dr. Balfour | Tu., F., 12 | 3 5 | 2 4 | 5 5 | (Dr. McCall Anderson, Professor) (And in Summer) | 9 | 3 3 | [*Mechan. Dentist.*: Mr. Woodburn, 8 P.M., £2 2s.] | | |
| | | | | | | | Dr. Muirhead | | | | | | | | | | |
| | | | | | | | Dr. Brakenridge | | | | | | | | | | |
| | | | | | | | Dr. Macdonald (and in Summer) | | | | | | | | | | |
| CLINICAL SURGERY ... ... ... ... | Drs. Pirrie, A. Ogston, and Will | 1 | 3 3 | Dr. Annandale | M., Th., 12 | 4 4 | Mr. J. Bell (and in Summer) | M., Th., 12 | 3 5 | 2 4 | 5 5 | (Dr. G. Buchanan, Professor) (And in Summer) | 9 | 3 3 | The Surgeons | 9 | ... |
| **SUMMER SESSION.** | | | | | | | | | | | | | | | | | |
| PRAC. ANAT. & DEMONSTRATIONS | Dr. Struthers | 9 to 4 | 2 2 | Mr. Turner | ... | 5 5 | Dr. Handyside | 9 to 4 | 2 2 | ... | ... | Dr. Cleland and Demonstrators | 11 | ... | Dr. Buchanan | 4 | 1 1 |
| | | | | | | | Mr. Symington | 9 to 4 | 2 2 | ... | ... | | | | | | |
| BOTANY ... ... ... ... ... ... ... | Dr. Trail | 8 | 3 3 | Dr. Dickson | 8 | 4 9 | ... | ... | ... | ... | ... | Dr. Balfour | 12 | 3 3 | Mr. Paterson | 3 | 1 1 |
| HISTOLOGY ... ... ... ... ... ... | Dr. Struthers | 9 | ... | ... | ... | 3 3 | ... | ... | ... | ... | ... | Dr. McKendrick | 12 | ... | ... | ... | ... |
| COMPARATIVE ANATOMY... ... ... | Dr. Ewart | 11 | 3 3 | ... | ... | ... | Dr. A. Wilson | ... | ... | ... | ... | Dr. Young† | ... | ... | ... | ... | ... |
| PRACTICAL CHEMISTRY ... ... ... | Mr. Brazier | 10 | 3 3 | Dr. Crum Brown | ... | 3 3 | ... | ... | ... | ... | ... | Mr. J. Ferguson | 10 | 3 3 | Mr. Dittmar | 12 | 1 11 6 |
| DISEASES OF THE EYE ... ... ... | Dr. A. D. Davidson | ... | 1 1 | ... | ... | ... | Dr. Robertson | 1 | 3 5 | ... | ... | Dr. T. Reid | 1 | 1 1 | Dr. Wolfe | 2 | free |
| DISEASES OF CHILDREN ... ... ... | Dr. Stephenson | ... | ... | ... | ... | ... | Drs. Andrew, Dunsmure, & Carmichael | 3 | 2 2 | ... | 5 5 | ... | ... | ... | (With Midwifery) | ... | ... |
| NATURAL HISTORY ... ... ... ... | ... | ... | ... | Sir C. W. Thomson | 2 | 4 4 | Dr. And. Wilson | 2 | 3 5 | 2 4 | 5 5 | ... | ... | ... | ... | ... | ... |
| MEDICAL PSYCHOLOGY & INSANITY | ... | ... | ... | Dr. Clouston* | M. 3 | 3 3 | Dr. J. Batty Tuke | 3 | 2 2 | ... | ... | Dr. Yellowlees | ... | ... | (With Jurisprud.) | ... | ... |
| GYNÆCOLOGY ... ... ... ... ... ... | Dr. Stephenson (In Winter) | 11 | 2 2 | Dr. Simpson [*Pract. Patho.*: Dr. Sanders.] | 10 | 2 2 | ... | ... | ... | ... | ... | (In Winter) | ... | ... | (With Midwifery) | ... | ... |
| MIDWIFERY, &c. ... ... ... ... ... | | ... | ... | | 11 | 3 3 | Drs. Keiller, Underhill, Croom, & Bell | 10 | 3 5 | 1 3 | ... | Dr. Leishman (In Winter) | ... | ... | Dr. J. G. Wilson | 3 | 2 2 |
| | | | | | | | | | | | | | | | *Ph. H.*: Dr. Christie | 1 | ... |
| OPERATIVE SURGERY ... ... ... | ... | ... | ... | ... | ... | 2 2 | ... | ... | ... | ... | ... | Dr. Macleod | 1 | 2 2 | Dr. Dunlop | 11 | 2 2 |
| MATERIA MEDICA, &c. ... ... ... | Dr. Davidson† | 4 | 3 3 | Dr. T. R. Fraser | 10 | 3 | Dr. McNeel & Craig† | 9 4 | 3 5 | 2 4 | 5 5 | Dr. Cowan | 12 | 3 3 | Dr. Morton† | 4 | 2 2 |

* With Practical Instruction at an Asylum (Saturday), £3 3s. † In Winter. ‡ Chemistry, £4 4s.; Practical Chemistry £3 3s. § And in Summer. ‖ Messrs. J. Bell and Chiene, and Drs. Watson and Duncan, 4 P.M., £2 2s. each.

# TABULAR LIST OF THE CLASSES, LECTURERS ETC., AND FEES, AT THE MEDICAL SCHOOLS OF IRELAND, FOR THE SESSION 1879-80.

| LECTURES, ETC. | DUBLIN UNIVERSITY. | | DUBLIN R. C. OF SURGEONS. | | DR. STEEVENS' HOSP. AND MED. COLL., DUBLIN. | | | DUBLIN, CARMICHAEL COLL. | | DUBLIN, CATHOLIC UNIVERSITY. | | | CORK, QUEEN'S COLLEGE. | | | | BELFAST, QUEEN'S COLLEGE. | | | | GALWAY, QUEEN'S COLLEGE | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Fees. | | | | | | | | | Fees. | | | | Fees. | | | Fees. | |
| | Lecturers. | Fees. | Lecturers. Days & Hours. | Fees. | Lecturers and Hours. | First Course. | Second Course. | Lecturers. Days and Hours. | Fees. | Lecturers. | Days & Hours. | Fees. | Lecturers. | Days & Hours. | First Course. | Second Course. | Lecturers. | Days & Hours. | First Course. | Second Course. | Lecturers. | First Course. | Second Course. |
| | | | | | | £ s. | | | | | | | | | £ s. | £ s. | | | £ s. | £ s. | | £ s. | £ s. |
| ANATOMY AND PHYSIOLOGY | Dr. M'Dowel (*anat.*) | Pract. Anat., £3 3s. | Dr. Mapother M. W. F. S. 3 | In all Classes, £3 3s. | Mr Hamilton 10 | 3 3 | | Dr. R. J. Harvey† daily (ex. S.) 12½ | For each Course, £3 3s.; except Dissections, £5 5s. | Dr. Hayden Dr. R. Cryan | Daily (ex.S.)12 | £3 3s. each Course, except Dissections and Pract. Chem., which are £5 5s. each. | Dr. J. J. Charles | Daily 1 | 3 | 0 2 0 | Dr. P. Redfern | Daily (ex. S.) 2 | 3 | 0 2 0 | Dr. Pye daily (ex.S.)3 | 3 | 0 2 0 |
| ANATOMY, DESCRIPTIVE & SURGICAL | Dr. M'Dowel | | Dr. Bevan Mr. Stoker Daily, 12 | | Mr. Bookey, 1 | 3 3 | | Drs. Stoney & Gunn daily (ex. S.) 11½ | | Dr. R. Cryan Dr. Hayden | Daily (ex. S.) 1 | | Dr. J. J. Charles | Daily (ex.S.)12 | ... | ... | Dr. P. Redfern | ... | ... | ... | Dr. Pye daily (ex.S.) 1 | ... | ... |
| PRACTICAL ANATOMY AND DISSECTIONS | Dr. Little (*prac. anat.*) | | Drs. Stoney, Stoker, Ormsby, Wheeler, Peele, Franks, and Roe | | Mr. Bookey Mr. Warren Mr. Hayes Mr. Pentland | 5 5 | | Drs. Gunn, Wright, Blakeley, Auchinleck, Weddick, Doyle & Kirkpatrick | | DrCoppinger MrKilgarriff Dr. Carroll Dr. Redmond Dr. Kehoe | 7 to 7 daily | | Dr. Charles and Demonstrators | Daily, 12 | 3 | 0 ... | Dr. Anderson | Daily (ex. S.) 12 | 3 | 0 3 0 | Dr. Pye (and Demonstrators) Daily, 9 to 4 | 3 | 0 3 0 |
| CHEMISTRY ... ... ... ... | Dr. Reynolds | | Dr. Cameron Tu. Th. S. 2 | | Mr. McHugh 12 | 3 3 | | Dr. Tichborne Tu. Th. S. 2½ | | MrCampbell | M. W. F. 2 | | Dr. Maxwell Simpson | M. W. F. | 2 | 0 1 0 | Dr. Andrews | Daily (ex. S.) 3 | 2 | 0 1 0 | Dr. Rowney M. W. F. 12 | 2 | 0 ... |
| PRACTICAL CHEMISTRY ... | Dr. Reynolds | | Dr. Cameron | | Mr. McHugh | 3 3 | | Dr. Tichborne (*in Summer*) | | ‡Mr. Campbell | M. T. W. F. 2 | | Dr. Maxwell Simpson | M. W. F. | 3 | 0 ... | Dr. Andrews (*in Summer*) | Daily (ex.S.) 12 | 3 | 0 3 0 | Dr. Rowney Tu. Th. S. 2 | 3 | 0 ... |
| MATERIA MEDICA AND PHARMACY | Dr. Aquilla Smith | | Mr. Macnamara | | Dr. Fox (*in Summer*) | 3 3 | | Mr. Duffey (*in Summer*) | | ‡Dr. Quinlan | M. Tu. W. Th. 1 | | Dr. O'Keefe | Tu. Th. S. 12 | 2 | 0 1 0 | Dr. J. S. Reid | M. Tu. W. Th. 4 | 2 | 0 1 0 | Dr. Colahan M. W. F. 4 | 2 | 0 1 0 |
| BOTANY AND ZOOLOGY ... | Prof. Wright (*bot.*), Prof. Macalister (*zoology*) | | Dr. Minchin | | Mr Pentland (*in Summer*) | 3 3 | | Mr. Blakely (*in Summer*) | | ‡Dr. Sigerson [*Ophthalm.*: Mr. Hayes] | Th. 2 F. S. 1 | | Dr. A. Leith Adams | M. W. F. 3 | 2 | 0 1 0 | §Dr. R. O. Cunningham | *Zoology* M T W F 1 (*Botany*) M. Tu. W. Th. Fr. 11 | 2 | 0 1 0 | Dr. A. G. Melville Tu. Th. S. 11 | 2 | 0 ... |
| INSTITUTES OF MEDICINE AND PATHOLOGY | Dr. Purser | | Dr. Little | | *Histology*: Dr. Bookey | ... | | Dr. Woodhouse M.W.F.11 (*in Sum.*) | | Dr. Nixon | Tu. Th. S. 3 | | | | | | | | | | | | |
| NATURAL PHILOSOPHY ... | Prof. Leslie | | ... | | Mr. McHugh (*in Summer*) | ... | | ... | | Dr. Lyons ‡Rev. G. Molloy | Tu. Th. 1 S. 2 | | Mr. J. England North and South Infirmaries. | Tu. Th. S. 11 | 2 | 0 1 0 | Dr. J. Everett *Wint. & Sum.* | M. W. F. 11 & 1 | 2 | 0 ... | *Exp. Physics*: Dr. Curtis Tu. Th. 12 | 2 | 0 ... |
| HOSPITAL PRACTICE ... ... | Sir P. Dun's or other Dublin Hospital. | | City of Dublin Hospital. (Daily, 9) | | Dr. Steevens Hospital. (Daily, 8½) | ... | | Richmond, Whitworth, and Hardwicke Hospitals. | | ... | ... | | | ... | ... | ... | Belf. Royal Hospital. Union Hospital | ... | ... | ... | Galway Infirmary & Town Hosp. | Sess 4 | 4 4 4 |
| CLINICAL LECTURES ... ... | ... | | Three times weekly | | DrGrimshaw Dr. Bookey Mess. Colles, Hamilton, & M'Donnell | ... | | ... | | ... | ... | | ... | ... | ... | ... | ... | ... | ... | ... | Daily Drs. Browne, Pye, Kinkead, & Colahan T. F. 10 | ... | ... |
| SURGERY ... ... ... ... ... | Dr. E. H. Bennett | | Mr. Hughes Mr. Stokes Tu. Th. S. 1 | | Mr. Colles 11 | 3 3 | | Mr. Barton Mr. Corley Tu. Th. S. 11½ | | Mr. J. P. Hayes | M. W. F. 3 | | Dr. W. Tanner | Tu. Th. 4 S. 1 | 3 | 0 1 0 | Dr. A. Gordon | M. Tu. W. Th. 1 | 2 | 0 1 0 | Dr. J. V. Browne M. W. F. 11 | 2 | 0 1 0 |
| MIDWIFERY, &c. ... ... ... | Dr. Sinclair | | Dr. Roe Tu. Th. S. 3 | | Dr. Isdell (thrice wkly.) | 3 3 | | Dr. Jennings Dr. Macan M. W. F. 2½ | | Dr. Byrne | Tu. Th. S. 2 | | Dr. H. Macnaughton Jones | M. W. F. 4 | 2 | 0 1 0 | Dr. Dill (*in Summer*) | M. Tu. W. Th. 3 | 2 | 0 1 0 | Dr. Kinkead M. W. F. 2 | 2 | 0 1 0 |
| MEDICINE ... ... ... ... ... | Dr. Moore | | Dr. Little M. W. F. 11 | | DrGrimshaw 11 | 3 3 | | Drs. Gordon and Moore M. W. F. 11½ | | Dr. R. D. Lyons | Tu. Th. S. 3 | | Dr. D. C. O'Connor | M. W. 12 S. 12 | 2 | 0 1 0 | Dr. Cuming | M. Tu. W. Th. 4 | 2 | 0 1 0 | Vacant Tu. Th. S. 2 | 2 | 0 1 0 |
| MEDICAL JURISPRUDENCE | Dr. Travers | | Dr. Davy | | Dr. Tweedy (*in Summer*) | ... | | Dr. Auchinleck (*in Summer*) | | ‡Dr. Macswiney | M. T. W. Th. 12 | | Professors O'Keefe and O'Shaughnessy | M. W. S. 3 | ... | ... | Dr. Hodges (*in Summer*) | M. Tu. W. Th. 2 | 2 | 0 1 0 | Dr. Kinkead Tu. Th. S. 4 | 2 | 0 2 0 |
| COMPARATIVE ANATOMY... | Prof. Alex. Macalister | | Dr. Mapother | | Mr Hamilton | ... | | ... | | Dr. Hayden Dr. Cryan | ... | | ... | ... | 2 | 0 ... | ... | ... | ... | ... | [*Modern Languages*: | ... | ... |
| PRACTICAL PHARMACY ... | ... | | [*Hygiene*: Dr. Cameron [*Ophth. and Aural Surg.*: Dr. Swanzy | | Mr M'Carthy Mr. Swanzy (*ophth. surg.*) Mr. Baker (*dental surg.*) | ... | | ... [*Ophthalmic Surg.*: Dr Fitzgerald, W.] | | ... | ... | | ... | ... | ... | ... | ... | ... | ... | ... | Dr. Geisler, £2] | ... | ... |
| LOGIC ... ... ... ... ... ... | The College Tutors | | | | | | | | | ‡Dr. D. B. Dunne | ... | | Mr. G. S. Read | ... | 1 | 0 ... | ... | ... | ... | ... | Dr. T. W. Moffett M. W. F. 1 | ... | ... |

* Composition fee, £56 17s. 6d. † Prac. Phys. in Summer. ‡ In Summer. § Zoology in Winter; Botany in Summer.

# METROPOLITAN HOSPITALS AND MEDICAL SCHOOLS.

ST. BARTHOLOMEW'S HOSPITAL AND COLLEGE.—The clinical practice of the hospital comprises a service of 710 beds, of which 676 are in the hospital at Smithfield, and 34 are for convalescent patients at Lauderdale House, Highgate.

*Pupil's Appointments.*—Four house-physicians and four house-surgeons are appointed annually, each of them holding office for one year, and provided with rooms by the hospital authorities. The midwifery assistant is appointed for a year, and is provided with rooms by the hospital authorities. The ophthalmic house-surgeon is appointed for six months, and is eligible for re-election for a second term of six months. The assistant chloroformist is appointed annually, and receives rooms and a salary of £25. No fee is paid for any of these appointments, and each receives a salary of £25.

The clinical clerks, the obstetric clerks, the clerks to the medical out-patients, the dressers to the surgical out-patients, and the dressers in the special departments are chosen from the diligent students. No fee is required for any of these appointments. Sixteen ward-dresserships are given annually to the students (of the second year) who pass the best examination in the subjects of study of the first and second year, or who may be otherwise specially recommended for such appointments. Other ward-dresserships may be obtained by payment of the usual fees.

A college is attached to the hospital, in which students can reside, subject to the college regulations.

*Foundation and other Prizes.*—Open Scholarships in Science (founded 1873). These scholarships, of the value of £130 each, tenable for one year, will be competed for September 25th. Candidates must not be more than twenty-five years of age for one, and twenty-one for the other, and must not have entered to the medical or surgical practice of any metropolitan medical school. The subjects of examination are Physics, Chemistry, Botany, and Zoology.—Preliminary Scientific Exhibition (founded 1873). The subjects of examination are identical with those of the Open Scholarship in Science. This Exhibition, of the value of £50, is tenable for one year. The examination is confined to students of the hospital of less than six months' standing, and will be held October 28th. The Jeaffreson Exhibition, of the value of £50, and tenable for two years, is awarded after examination, beginning September 25th, in the subjects of General Education. It is now an Open Exhibition. A Senior Scholarship, £50, in Anatomy, Physiology, and Chemistry. Lawrence Scholarship, and Gold Medal, of the value of forty guineas (founded in 1873 by the family of the late Sir Wm. Lawrence). Two Brackenbury Scholarships in Medicine and Surgery, £30 each. Junior Scholarships in the subjects of study of the first year: 1, £50; 2, £30; 3, £20.

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CHARING-CROSS HOSPITAL AND COLLEGE.—The fee for matriculation, which involves no examination, is £2 2s., to be paid on entering. Matriculated students pay proportionately lower fees, and are admitted without additional fee to the special courses in Practical Surgery, the lectures on Psychological Medicine, to the Physiological Laboratory for practical instruction in Histology, and to the practice of the Royal Westminster Ophthalmic Hospital. They alone are entitled to compete for the scholarships, medals, and prizes.

Two Entrance Scholarships, of the value of £30 and £20 respectively, tenable for one year, will be awarded annually in October, after a competitive examination in the following subjects:—*Compulsory*, English, Latin, French or German, Mathematics; *Optional* (only one of which may be selected), Chemistry, Mechanics, German or French, the subjects being those of the matriculation examination of the University of London. Candidates must give notice of their intention to compete on or before Saturday, Sept. 20th, 1879.

Two scholarships are open for competition among the matriculated students: the Llewellyn Scholarship of £25, for students who have just completed their second year; and the Golding Scholarship of £15, for students who have just completed their first year. The Pereira Prize of £5 is open to all matriculated students, and is awarded annually for the best clinical reports.

The various resident appointments are open to all matriculated students without additional fee. New school-buildings, which will be fitted with all modern requirements, are in course of erection, and will be completed at a cost of about £10,000 before October, 1880.

ST. GEORGE'S HOSPITAL.—Perpetual pupils, by payment of £130 in three instalments, or £125 in one sum, are entitled to admission to the medical and surgical practice; to compete for prizes and exhibitions; to hold the appointments of house-physician and house-surgeon, assistant house-physician, assistant house-surgeon, ophthalmic assistant, and to become clinical clerks for two periods of three months each, and dressers for similar periods. The house-physician and house-surgeon receive their board and lodging free, and *no payment* is made for the appointment. Clinical clerks and dressers are also appointed without payment. Gentlemen are admitted to the hospital practice and lectures required by the Colleges of Physicians and Surgeons and the Society of Apothecaries on payment of £45 at the commencement of the first year of study, £45 at the commencement of the second year of study, £20 for the third, and £20 for the fourth year. These payments entitle the pupil to hold the offices of clinical clerk and dresser for three months each, and to become a candidate for the offices of medical and surgical registrar and demonstrator of anatomy and curator of the museum. These are all salaried offices. The obstetric assistant is resident, with a salary of £100.

*Prizes.*—The William Brown Exhibition of £100 per annum, tenable for two years; open to any perpetual pupil of St. George's who is under twenty-five years of age, and who shall have obtained a diploma or licence entitling him to be registered as a practitioner of medicine or surgery in England, within two years previous to the period fixed for the examination (July). The examination is to test the proficiency of the candidate in Medicine, Midwifery, and Surgery, including Ophthalmic Surgery. The William Brown Exhibition of £40 per annum, tenable for three years, for general fitness for the exercise of the medical profession, and for moral conduct, open to perpetual pupils in their fourth year of study. Sir Charles Clarke's Prize (interest of £200 Consols) for good conduct. The Brackenbury Prize in Medicine, value nearly £40; the Brackenbury Prize in Surgery, value nearly £40; open to all pupils of the hospital.

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GUY'S HOSPITAL.—House-physicians and house-surgeons, obstetric residents, dressers, clinical and other clerks, are selected from the students, according to merit, and without payment. The house-physicians, of whom there are three constantly on duty, one as junior and two as seniors, hold office for a period of six months each, the first two months in the former capacity, the other four in the latter. The duty of the junior house-physician is to attend in the medical out-patient room three times a week, in a room adjoining that occupied by the assistant-physician for the day, and prescribe for those patients who are not seen by the assistant-physician. The two senior house-physicians are chiefly occupied in the medical wards, which are apportioned between them, each visiting the wards under his charge twice daily. They attend to all emergencies that may arise in the absence of the physicians. The evening clinical observations of temperature, &c., are chiefly made by them. They have separate rooms in the clinical building, and are boarded at the charge of the hospital. The house-surgeons, of whom there are also three on duty, hold office for six months each. During the first two months the house-surgeon assists in the out-patient department. During the next two months he has the general superintendence of the surgical casualty department, and assists the senior when required; and subsequently as senior house-surgeon he lives in the hospital, being boarded free of expense, and in the absence of the surgeons and assistant-surgeons has the care of the patients in the surgical wards. The dressers are selected from those gentlemen who have completed their third winter session, and who have been most diligent in the junior appointments. They hold office for six months each. Three are attached to each surgeon. During their week of special duty they reside in the hospital, and board with the house-surgeons free of expense. The obstetric residents, two in number, reside and are boarded in the hospital. Each holds office for two months—one month as junior, one month as senior.

*Scholarships, Prizes, &c.*—Open Scholarship of the value of £131 5s. in Arts, Latin, Greek, Mathematics, and modern languages. Open Scholarship of £131 5s. in Science. Subjects: Inorganic Chemistry, Zoology, Botany, Physics (these will be competed for on Thursday, September 25th). At the end of the summer session: first prize, £50; second prize, £25; third prize (presented by one of the governors), £10 10s. Subjects: Anatomy, Physiology, Chemistry,

Materia Medica, and Botany or Comparative Anatomy.—For Students in their second year: The Joseph Hoare Prizes—first prize, £25; second prize, £10. Subjects: Anatomy, Physiology. The Sands Cox Scholarship, of £15 per annum for three years. Subject: Physiology. The Michael Harris Prize, of £10, for Anatomy.—For students in their third year: First prize, £35; second prize, £20. Subjects: Medicine, Surgery, Midwifery, and Medical Jurisprudence.—For Senior Students: The Treasurer's Gold Medal in Medicine; the Treasurer's Gold Medal in Surgery; the Gurney Hoare Prize of £25, for Clinical Medicine and Surgery. The Physical Society awards the following prizes: Two of £5 each to the members who send in the best essays on selected subjects; prizes of £10 and £5 for the best papers read before the Society; and one of £5 to the member who has most distinguished himself in the debates of the sessions.

The Library is supplied with weekly, monthly, and quarterly journals of medicine, natural history, and philosophy. It is open to the students daily from 9.30 A.M. to 5.30 P.M.

KING'S COLLEGE.—The physicians' assistants, the physician-accoucheur's assistant, the clinical clerks, and the house-surgeon and dressers, are selected by examination from among those matriculated students of the college who are pupils of the hospital. The College and Hospital fees amount to £125 if paid in one sum on entrance, to £130 if paid in two instalments—viz., £70 on entrance and £60 at the beginning of the second winter session; or to £135 if paid in three instalments—viz., £60 on entrance, £50 at the beginning of the second winter session, and £25 at the beginning of the third. Students are recommended to add to the above the fee for attendance on the Medical Tutors' class for one year—namely, £3 3*s*. for the first year's subjects, or in the case of those preparing for the Preliminary Scientific Examination of the University of London, £5 5*s*. All resident students are required to attend the tutor during their first year. Rooms are provided within the walls of the college for the residence of a limited number of matriculated students. Registration fee at hospital, 10*s*. 6*d*.

*Scholarships.*—Warneford Scholarships: Two of £25 per annum for three years, and one of £25 for two years. Science: One of £50 for two years. College Scholarships: One of £40 per annum, for two years; one of £30, for one year; three of £20 for one year. The Daniell Scholarship of the annual value of £20. Sambrooke Registrarships, of the annual value of £50 each, and tenable for two years, are open to all matriculated students who have filled any one of the higher appointments of the hospital, or who have become Associates. The Leathes Prizes, value £7, and the Warneford Prizes, value £40, are given annually amongst the matriculated medical students. Two Medical Clinical Prizes, one of £3 for the winter session, and one of £2 for the summer session, and two Surgical Clinical Prizes, of £3 each, are given. The Todd Medical Clinical Prize consists of a bronze medal and books to the value of £4 4*s*. The Tanner Prize for Obstetric Medicine, value £10, is given annually in July. All students, occasional as well as matriculated, are admitted to contend for the class prizes.

LONDON HOSPITAL.—The government of this College has been reconstituted, every department supervised, and a principal appointed to ensure proper discipline and promote the general improvement. The department of Anatomy has received especial attention; and Dr. Wilson, late demonstrator at Cambridge University, superintends the teaching of Practical Anatomy. Lectures are given on all the subjects required by the examining boards. For instruction in Mental Diseases, students can attend, without further fee, the practice of Dr. John Millar, medical superintendent of Bethnal House Asylum, a few minutes' walk from the hospital. Clinical lectures, both medical and surgical, will be given every week, and practical instruction imparted in all the departments.

*Prizes.*—Nine Scholarships to be offered for competition in the winter and summer sessions:—Two Entrance Science Scholarships, awarded at the end of September, of the value of £60 and £40 respectively. Two Scholarships of £30 and £20, to the students who pass in September the best and second-best examinations in the subjects required at the Preliminary Examinations. A Scholarship, value £20, in Human Anatomy, for first-year's students, to be awarded in April, 1879. A Scholarship, value £25, in Anatomy, in Physiology, and Chemistry, for first or second-year's students, to be awarded at the end of the session. Three Hospital Scholarships, value £20 each, for Clinical Medicine and Clinical Surgery, and Clinical Obstetrics. The Duckworth Nelson Prize, value £10, for Practical Medicine and Surgery (biennial). Money prizes to the value of £60 given annually by the House Committee for zeal in dressing out-patients and knowledge of Minor Surgery.

*Appointments.*—Four house-surgeoncies, tenable for three or six months, and dresserships to in-patients, open to all. Dresserships to out-patients, with the privilege of competing for the prizes above-mentioned. Five house-physicianships, tenable for six months. Medical assistantships, held for three or six months. Two maternity assistants reside in the hospital. Resident accoucheurship, tenable for six months. (N.B. The holders of all the resident offices are provided with rooms and board free of expense.) Three clinical assistants in the medical out-patient department, at a salary of £80 each. Medical registrar, salary £100. Surgical registrar, salary £100. Prosectors of anatomy, ward clerks, and post-mortem clerks, according to merit.

General fee to lectures and hospital practice, 90 guineas, in one sum, or 100 guineas payable in three instalments of 40, 35, and 25 guineas at the commencement of the first, second, and third years respectively. Library fee, £1 1*s*. Special entries can be made to lectures or practice.

ST. MARY'S HOSPITAL.—There are four resident medical officers, three of whom are appointed for twelve months, and one, the obstetric officer, for six months, who board free of expense in the hospital. These appointments are awarded after competition, without additional fee. There is also a resident dresserships. A resident registrar is also appointed from amongst the students, with a salary of £100 a year and dispensary fees, who resides free of expense in the hospital. In addition to the above a demonstrator of anatomy is appointed annually with a salary of £100 a year; and the medical tutor in like manner, with a salary of £100 a year. Both these officers are eligible for re-election.

All general students are required to perform the duties of clinical clerk and dresser during the last two years of their curriculum. Students of the third year and of subsequent years are also appointed to assist the physicians and surgeons in charge of the out-patients. There is a Hospital Medical Society, which meets regularly during the winter session.

A Maternity Department is attached to the hospital. There are special departments for Diseases of the Eye, the Ear, the Skin, and the Throat, in which clinical demonstrations are constantly given by the physicians and surgeons in charge of them.

*Scholarships, Prizes, &c.*—Three Scholarships in Natural Science, each tenable for three years, and of the value of £60 the first year, £40 the second, and £20 the third year, and an Exhibition in Natural Science of the value of £20, tenable for one year. One of the scholarships and the exhibition are awarded, immediately before the commencement of each winter session, by open competitive examination. An extra Scholarship in Natural Science, tenable for three years, of the value of £60 the first year, £25 the second, and £15 the third, will also be awarded by open competition in October, 1879. A Scholarship in Anatomy of the annual value of £20, for students who have completed their second winter session; and a Scholarship in Pathology of £20, for students who have completed their third winter session. Examinations will be held and prizes awarded in the various classes of each year at the termination of both the summer and winter sessions. Two prosectors are annually appointed, who each receive £5 and a certificate for their services.

Fee to the hospital practice and lectures, 107 guineas in instalments, or 101 guineas in one sum; perpetual, 125 guineas in instalments, or 119 guineas in one sum. Fee to the hospital practice and lectures required for the examination in Dental Surgery by the College of Surgeons, 62½ guineas. Special entries can be made to courses of lectures or periods of hospital practice; no fee for registration.

The Demonstrator of Anatomy receives into his house a limited number of students to board and lodge, whom in addition he assists in preparing for their examinations. Practitioners in the neighbourhood also receive pupils to reside with them.

MIDDLESEX HOSPITAL.—There is a special Cancer Department, affording accommodation for 33 in-patients, whose period of residence in the hospital is unlimited. Special

attention is bestowed on the clinical instruction of the students both in the wards and out-patient rooms. Classes, open to all the students, are held for practical instruction in the microscopical examination of healthy and diseased tissues, and also in the application of bandages and other surgical apparatus. Students are allowed to take out to read at their own homes the books from the large and carefully selected medical library of the school. Two Entrance Scholarships, of the annual value of £25 and £20, and tenable for two years, are offered for competition at the commencement of the winter session. Two Broderip Scholarships, of the annual value of £30 and £20, tenable for two years, and a clinical prize (value ten guineas) are awarded to those students who pass the best examination at the bedside and the post-mortem room. The Murray medal and Scholarship, in memory of the late Dr. John Murray, have been founded in connexion with the University of Aberdeen, and is awarded every third year to a student of this hospital. The Governors' Prize of twenty guineas is also awarded annually to the student who shall most distinguish himself during his three years' curriculum. Valuable class prizes are also given, and ten resident clinical appointments are annually awarded, after competitive examination, to students who have completed their education, and complied with the regulations of the school. The officers thus appointed reside and board in the hospital free of expense. The college tutor assists all general students, especially those who are preparing for examination, free of charge; and his instruction is arranged with a view to avoid the necessity of students obtaining any private tuition apart from that of the Medical School. The fee for attendance on the hospital practice and lectures required by the Colleges of Physicians and Surgeons and by the Society of Apothecaries is £90, which may be paid by instalments.

The clinical clerk and dresser of the physician and surgeon of the week dine at the board-room table, free of charge, with the view of their being constantly in the hospital to assist the resident physician's assistant and house-surgeon in case of need, and to have the opportunity of seeing the fresh cases. A limited number of general students are also allowed to dine at the board-room table. The paid offices of medical registrar, surgical registrar, resident medical officer, and demonstrator of anatomy are open to qualified men as they become vacant. All clinical clerkships and dresserships are awarded without fee.

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ST. THOMAS'S HOSPITAL.—*Prizes and Appointments for the year* 1879-80.—For First-year's Students: Two Entrance Scholarships in Natural Science of the value of £60 and £40, open to all first-year's students, will be awarded during the first week in October, after an examination in Physics, Chemistry, Botany, and Zoology; the William Tite Scholarship, founded by the late Sir William Tite, F.R.S., the proceeds of £1000 Consols (£30 per annum), is awarded each year; also prizes of £20 and £10; summer, £15, £10, and £5. For Second-year's Students: The College Scholarship of 40 guineas, and the Musgrove Scholarship, founded by Sir John Musgrove, Bart., the president of the hospital, and endowed with £1400 Consols, producing 40 guineas per annum, are awarded biennially to the student who shall take the highest place in the first-class list in the examinations at the end of the second winter session; they are tenable for two years, provided the holder obtains a place in the first class in the subsequent examinations: making the winter prizes £42, £20, and £10; summer, £15, £10, and £5; with the dresserships and the clinical clerkships. For Third-year's Students: Second tenure of Scholarship £42, and prizes of £20, £15, and £10, and the Prosector's Prize of £5. Clinical clerks and dressers are selected according to merit. The Grainger Testimonial Prize of £20, awarded biennially to third or fourth year's students, for the best Physiological Essay, to be illustrated by preparations and dissections; the Cheselden Medal, for Surgery and Surgical Anatomy; and the Mead Medal, founded by Mr. and Mrs. Newman Smith, for Practical Medicine, are awarded annually to fourth-year's students. The Solly Medal, with a prize from 10 to 20 guineas, will be awarded biennially to a student of the third, fourth, fifth, or sixth year, for the best report of Surgical Cases. The Treasurer's Gold Medal, for general proficiency and good conduct, is awarded annually to a fourth-year's student. The house-physicians, house-surgeons, assistant house-physicians and surgeons, and resident accoucheur are chosen, from gentlemen who have obtained their professional diplomas, according to merit, and, with the dressers, are provided with rooms and commons. Two hospital registrars, at £100 per annum each, will be selected from gentlemen distinguished for merit.

Patients are examined for admission daily at 11 A.M. The medical and surgical casualty out-patients are seen by the resident assistant-physician, the resident assistant-surgeon, the house-physicians, house-surgeons, and dressers, at from 12 to 1 o'clock daily. The Dissecting-room is open to the students from 9 A.M. to 6 P.M.

The fee to hospital practice and lectures may be paid in several ways:—1st. £125, paid on entrance. 2nd. £130, in two payments—£70 on entrance, and £60 at the beginning of next year. 3rd. Payment by three instalments—viz., of £60 at the beginning of the first year, £50 at the beginning of the second year, and £30 at the beginning of the third year, entitles a student after payment of the third instalment to an unlimited attendance. The fee for attendance on the *general* subjects required of students in Dental Surgery, is for the two years £55, or by instalments £50 for the first year and £10 for the second year. Regularly qualified medical practitioners are admitted to the hospital practice and to the lectures and library on payment of a fee of £12 10*s.* for unlimited attendance.

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UNIVERSITY COLLEGE, LONDON.—The fees for lectures and hospital practice required by the College of Physicians and Surgeons and the Society of Apothecaries during the student's entire course amount to 125 guineas if paid in one sum, or 130 guineas if paid by instalments—viz., first year 60 guineas, second year 50 guineas, third year 20 guineas.

*Exhibitions, Prizes, &c.*—Three Entrance Exhibitions, of the respective values of £30, £20, and £10 per annum, tenable for two years, are annually awarded, upon examination by printed papers, to gentlemen who are about to commence their first winter attendance in a medical school. The subjects of the examinations are—Classics, Elementary Mathematics, Natural Philosophy, and either French or German at the option of the candidate. The next examination will take place at the College on September 25th and 26th. Notice of intention to compete, with a statement of the modern language in which the candidate wishes to be examined, must be left with the secretary not later than Sept. 24th, at the office of the College. The Atkinson Morley Surgical Scholarship of £45, tenable for three years, is annually awarded to the student who, upon examination, is found to possess the greatest proficiency in the Theory and Practice of Surgery. The Sharpey Physiological Scholarship of about £70 per annum, tenable for three years, for proficiency in Biological Science. Filliter Exhibition: a prize of £30 is awarded annually, in July, to the most proficient student in the class of Pathological Anatomy. An Atchison Scholarship, value about £55 per annum, tenable for two years. Besides the above, gold and silver medals and other prizes are awarded in each class. The appointments of demonstrators of anatomy, of resident medical officer to the hospital, and of surgical registrar—all of which have emoluments attached to them—are almost invariably conferred upon students of the College. Physicians' assistants, house-surgeons, midwifery assistants, physicians' clerks, surgeons' dressers, ward clerks, and ophthalmic surgeon's assistants are selected from the pupils, without additional fees.

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WESTMINSTER HOSPITAL.—The entry fee to lectures and hospital practice required by the Colleges of Physicians and Surgeons and the Society of Apothecaries may be paid in one sum of £92 10*s.*, or in two instalments of £49, at the commencement of the first two winter sessions, or in instalments at the commencement of the first five sessions, amounting to £107 2*s.*; no extras, except parts for dissection.

The fees for Dental students are £45 in one sum, or £32 and £18 at the commencement of each year.

In addition to the practice of the hospital, which contains 200 beds, the pupils of this school are admitted to the practice of the Westminster Ophthalmic Hospital, and to that of the National Hospital for Epilepsy and Paralysis.

Tutorial classes in the subjects of examination of the licensing bodies are held four days a week. Each student will be required to attend at least three hours' tutorial instruction every week. No additional charge will be made.

Special classes for the Preliminary Scientific M.B. Examination of London University are held from October to July.

A house-physician, house-surgeon, and resident obstetric assistant are appointed annually, by examination, from amongst the senior students, without the payment of any

fee, and these officers are provided with board and lodging free of expense. The medical and surgical registrars receive each a salary of £40. The appointments of assistant house-surgeon, physician's assistant, surgeon's assistant, ophthalmic assistant, in-patients' clerk, in-patients' dressers, and out-patients' dressers, are open to students of the hospital.

Besides the prize appointments just enumerated, there is a Scholarship in Anatomy and Physiology of twenty guineas, for second-year's men; an Exhibition in Anatomy and Elementary Physiology of ten guineas, for first-year's men. There are also the Chadwick Prize for general proficiency, of the value of twenty guineas; the Frederic Bird Prize, value £15; and two Clinical Prizes of £5 each for Medicine and Surgery and practical work in the wards. Certificates of honour may be obtained in any of the classes. There are also three Entrance Scholarships, value £100, £50, and £20 each. Examination in Latin, Mathematics, and French or German, and Chemistry and Natural Philosophy, on September 26th and 27th. Notice of intention to compete, and a certificate of moral character, to be sent to the Dean, not later than Sept. 24th.

A prospectus, and any particulars, to be had on applica-

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GREAT NORTHERN HOSPITAL, Caledonian-road.—Consulting Surgeon: Frederick Le Gros Clark. Physicians: Dr. Leared, Dr. Cholmeley, Dr. Crucknell, Dr. Cook, Dr. Robert Bridges. Obstetric Physician: Dr. Gustavus C. P. Murray. Ophthalmic Surgeon: Dr. R. W. Lyell, F.R.C.S. Surgeons: Mr. Gay, Mr. W. Adams, Mr. W. Spencer Watson, Mr. W. H. Cripps, Mr. J. Macready. Aural Surgeon: Mr. A. E. Cumberbatch. Dental Surgeon: Mr. Charles James Fox. Chloroformist: Mr. George Eastes. House-Surgeon: Mr. T. H. Gillam.

HOSPITAL FOR CONSUMPTION AND DISEASES OF THE CHEST, Brompton.—Consulting Physicians: Dr. C. J. B. Williams, F.R.S., Dr. W. H. Walshe, Dr. R. Quain, F.R.S. Consulting Surgeon. Professor John Marshall, F.R.S. Physicians: Dr. J. E. Pollock, Dr. E. S. Thompson, Dr. C. T. Williams, Dr. R. D. Powell, Dr. J. Tatham. Assistant-Physicians: Dr. R. Thompson, Dr. B. Yeo, Dr. F. Roberts, Dr. T. H. Green, Dr. J. M. Bruce. Dental Surgeon: Mr. W. P. Bartlett. Resident Medical Officer: Dr. W. T. Law. Secretary: Mr. H. Dobbin.—Three clinical assistants reside in the hospital for a period of six months. Pupils are admitted to the practice of the hospital: terms, £3 3s. for three months; perpetual £5 5s. The medical practice of the hospital is recognised by the University of London, the Apothecaries' Company, and the Army and Navy and India Medical Boards. The hospital contains 192 beds, and there is an extensive out-patient department.

ROYAL HOSPITAL FOR DISEASES OF THE CHEST, City-road, E.C.—Established 1814. 26 beds. Consulting Physicians: Drs. Herbert Davies and Horace Dobell. Physicians: Drs. G. Goddard Rogers, P. J. Hensley, Gilbart Smith, and D. W. Finlay. Assistant-Physicians: Drs. R. Wharry and W. Murrell. Consulting Surgeon: Mr. G. W. Callender. Surgeon: Mr. W. J. Walsham. House-Physician: Dr. Bland. In-patients, 251; out-patients cases, 6065. This hospital has recently been enlarged by the addition of a very complete new out-patients' department, and wards for 14 additional in-patients. It is proposed, as soon as possible, to build another wing, whereby the number of beds will be increased to about 70. The office of House-Physician, which is tenable for one year, and for which a sum of £80 is voted in lieu of board, is filled up annually in October.

WEST LONDON HOSPITAL, Hammersmith-road, W.—60 beds. In-patients, 602; out-patients, 16,247. Consulting Physician: Dr. Henry Maudsley. Consulting Physician-Accoucheur: Dr. W. O. Priestley. Consulting Surgeons: Messrs. Samuel Armstrong Lane and William Bird. Physicians: Drs. Goddard Rogers and Thorowgood. Physician for Diseases of Women: Dr. Wiltshire. Surgeons: Messrs. William F. Teevan and Alfred Cooper. Surgeon for Diseases of the Eye: Mr. B. J. Vernon. Assistant-Physicians: Drs. Fish, Milner Fothergill, and Donald W. C. Hood. Assistant-Surgeons: Messrs. H. T. Butlin, C. B. Keetley, and J. H. Morgan. Surgeon-Dentist: Mr. M. A. Smale. Administrator of Anæsthetics: Mr. T. G. Alderton. The practice of this hospital is open to all students and members of the medical profession. Gentlemen desirous of acting as clinical clerks or dressers can obtain all information on application at the hospital.

NATIONAL HOSPITAL FOR THE PARALYSED AND EPILEPTIC, 23, 24, and 25, Queen-square, Bloomsbury.—The physicians attend every Monday, Tuesday, Wednesday, and Friday, at 2.30 P.M. In and out-patients' practice and electrical-room treatment at that hour Physicians: Drs. Ramskill, Radcliffe, Hughlings Jackson, and Buzzard. Physician for out-patients: Dr. H. Charlton Bastian. Assistant Physicians: Dr. Maclure and Dr. Gowers. Surgeon: W. Adams, F.R.C.S. Resident Medical Officer and Registrar: A. E. Broster, M.R.C.S. Medical practitioners and students will be admitted on showing their cards.

ROYAL LONDON OPHTHALMIC HOSPITAL, MOORFIELDS.—The hospital, founded in 1804, and considerably enlarged in 1876, now contains 100 beds for patients, which were occupied during last year by 1400 persons. The out-patients are yearly over 20,000. Operations are performed daily from half-past ten to one o'clock, and three surgeons attend on each day: Mr. Streatfeild, Mr. Waren Tay, and Mr. Adams, on Monday and Thursday; Mr. Lawson, Mr. Couper, and Mr. Soelberg Wells, on Tuesday and Friday; Mr. Wordsworth, Mr. Hulke, and Mr. Tweedy, on Wednesday and Saturday. Students are admitted to the practice. Fees for six months, £3 3s.; perpetual, £5 5s.; with admission to demonstrations and lectures, to be given during the winter. Students of the hospital are eligible for the office of house-surgeon, or may be appointed clinical assistants.

ROYAL ORTHOPÆDIC HOSPITAL, 315, Oxford-street.—Surgeons: Mr. B. E. Brodhurst, Mr. H. A. Reeves, Mr. Chas. Read, Mr. Wm. E. Balkwill. House-Surgeon: Mr. H. F. Baker. Secretary: Mr. Maskell. Operations on Mondays at 2 P.M. The hospital is open to all legally qualified practitioners. Pupils are admitted to witness the practice of the hospital on the following terms: Six months, £3 3s.; twelve months, £5 5s.; perpetual, £10 10s. The annual course of lectures will be duly announced.

ROYAL WESTMINSTER OPHTHALMIC HOSPITAL, King William-street, Charing-cross.—The hospital contains 50 beds; and the patients, who number 10,000 annually, are seen and operations performed, daily at 1 o'clock. The following are the days of attendance of the surgeons: Mr. Power, Monday and Friday; Mr. Rouse, Monday and Friday; Mr. Macnamara, Tuesday and Thursday; Mr. Cowell, Wednesday and Saturday. The practice of the hospital is open to students. Fees for six months, £3 3s.; perpetual £5 5s. Students of the hospital are eligible for the post of house-surgeon. Special Demonstrations and Lectures will be given during the session. Secretary, Mr. Geo. C. Farrant.

LONDON SCHOOL OF DENTAL SURGERY, Leicester-square.—Lectures are delivered in winter on Mechanical Dentistry, by Mr. James S. Turner, M.R.C.S., L.D.S., on Wednesdays, at 7 P.M.; on Metallurgy in its application to Dental Purposes, by Mr. G. H. Makins, M.R.C.S., F.C.S., on Tuesdays and Fridays, at 12 o'clock. In summer, Mr. Alfred Coleman, F.R.C.S. (Exam.), L.R.C.P., L.D.S., &c., lectures on Dental Surgery and Pathology; and Mr. C. S. Tomes, M.R.C.S., L.D.S., on Dental Anatomy and Physiology (Human and Comparative). General fee for special lectures required for the curriculum, £15 15s.—DENTAL HOSPITAL OF LONDON (in connexion with the above).—Surgeons: Messrs. Fox, Medwin, Gregson, Coleman, Moon, and Hill. Assistant-Surgeons: Messrs. Canton, Bartlett, Hepburn, Gibbings, Woodhouse, and Hutchinson. Dental House-Surgeon: Mr. J. McCall. Assistant Dental House-Surgeon: Mr. Magor. Secretary: Captain H. B. Scoones. Fee for two years' hospital practice required by the curriculum, £15 15s.

SEAMEN'S HOSPITAL (late *Dreadnought*), Greenwich, S.E.—This institution is established for the relief of seamen of all nations. Casualties are received at all hours. Apartments are provided in the house of the surgeon for students and others who may be desirous of studying diseases incidental to tropical climates before entering the services or going abroad. Unusually good opportunities also exist for the practice of operative surgery. Honorary Consulting Physicians: Drs. George Budd and Stephen H. Ward. Visiting Physicians: Dr. Charles Henry Ralfe, F.R.C.P., and Harry Leach, M.R.C.P. Lond. Honorary Consulting Surgeon: Mr. Geo. Busk, F.R.S. Visiting Surgeon: Mr. N. Davies-Colley. Surgeon: Mr. W. Johnson Smith. Secretary: Mr. Henry C. Burdett.

THE HOSPITAL FOR SICK CHILDREN, Great Ormond-street, Queen-square, W.C., and Cromwell House, High-

gate.—Physicians: Drs. Dickinson, Gee, and W. B. Cheadle. Assistant-Physicians: Drs. R. J. Lee, O. Sturges, Thomas Barlow, D. B. Lees, and Robert Bridges. Surgeons: Mr. T. Smith, Mr. F. Howard Marsh, Mr. Edmund Owen; and Mr. J. H. Morgan. Surgeon-Dentist: Mr. A. Cartwright. Fee for three months' attendance, £3 3s.; perpetual, £5 5s. Secretary: S. Whitford. There are now 104 beds in the hospital, Great Ormond-street, and 52 beds at the country branch; total, 156. In-patients last year, 1058; out-patients, 11,441. The practice at the hospital has recently been thrown open gratuitously to the pupils of the different hospitals and medical schools of London on conditions which may be ascertained of the Secretary.

VICTORIA HOSPITAL FOR CHILDREN, Chelsea, S.W., and Churchfields, Margate.—The hospital contains 65 beds and 12 at the home at Margate; and has a large out-patient department (over 400 weekly). Physicians: Dr. Julian Evans and Dr. Ridge Jones. Physicians to the out-patients: Dr. Grigg, Dr. Pearson Irvine, Dr. Allchin, and Dr. Albert Venn. Surgeon: Mr. Cowell. Surgeons to the out-patients: Mr. Churchill and Mr. Walter Pye. Dental Surgeon: Mr. Risdon. House-Surgeon: Mr. Paul Tarleton. Registrar: Mr. T. Lloyd Brown. Secretary: Captain W. C. Blount, R.N. Out-patients are seen daily as under:—Medical cases: Daily, except Saturday and Sunday, at 9 A.M.; also on Mondays and Thursdays at noon. Surgical cases: Daily, except Monday and Thursday, at 10 A.M. Dental cases: Saturdays at 9.30 A.M.

ROYAL INFIRMARY FOR CHILDREN AND WOMEN, Waterloo-bridge-road.—Instituted 1816. Consulting Physicians: Dr. Wilks, Dr. John Williams. Consulting Surgeon: Mr. J. Cooper Forster. Physicians: Drs. G. V. Poore, W. Park, G. Roper, and Edwin Burrell. Surgeon: Mr. Edwin Canton. Surgeon Dentist: Mr. W. Whitehouse. Resident Medical Officer: Mr. E. Overman Day. Secretary: Mr. R. G. Kestin. Advanced students in medicine, and such practitioners as may desire it, are permitted to attend the practice of this hospital gratis. If a certificate signifying such attendance be required, the sum of five guineas must be paid to the physicians and surgeons in ordinary conjointly.

EVELINA HOSPITAL FOR SICK CHILDREN, Southwark-bridge-road, S.E.—Consulting Physician: Dr. W. S. Playfair. Consulting Surgeon: Mr. Prescott Hewett. Physicians: Drs. E. Buchanan Baxter, F. Taylor, T. Crawford Hayes, James Goodhart. Surgeons: Messrs. W. Morrant Baker, H. G. Howse, and R. Clement Lucas. House-Surgeon: Dr. Henry Davy.

SCHOOL OF PHARMACY OF THE PHARMACEUTICAL SOCIETY OF GREAT BRITAIN.—Chemistry and Pharmacy: Professor Redwood, Ph.D., F.I.C., F.C.S. Lectures are delivered on Monday, Tuesday, and Wednesday mornings at 9 o'clock. The course consists of sixty lectures. Two courses are given annually, the first commencing on October 6th, 1879; and the second course on March 1st, 1880. The subjects of these lectures are—(1) Physics in relation to Chemistry and Pharmacy. (2) Inorganic Chemistry. (3) Organic Chemistry. Botany and Materia Medica: Professor Bentley, M.R.C.S. Eng., F.L.S. These lectures are delivered on Thursday, Friday, and Saturday mornings, at 9 o'clock. The first course commences on October 3rd, 1879; the second course on March 5th, 1880. Practical Chemistry, directed by Dr. John Attfield, F.I.C., F.C.S., assisted by a Demonstrator, Dr. Alfred Senier, F.I.C., F.C.S., and an Assistant-Demonstrator, Mr. Henry Allen, commences on Wednesday, October 1st, at 10 A.M. The laboratories are open from ten o'clock in the morning until five in the afternoon daily, except on Saturdays, when they are closed at two o'clock. Fees for ten months, according to hours of attendance, twelve to twenty-five guineas; for shorter terms in proportion. Each student is expected to attend every lecture of the course for which he has entered, or to state the cause of absence.

SOUTH LONDON SCHOOL OF PHARMACY, 325, Kennington-road.—Managing Director, Dr. Muter. Daily lectures on Chemistry, Botany, Physics, Materia Medica, Pharmacy, Classics. Accommodation for 120 students, an excellent museum and a very completely fitted Chemical Laboratory for fifty junior and twenty senior pupils. For further particulars apply to the Secretary, Mr. W. Baxter, at his office, Central Public Laboratory, Kennington Cross, London, S.E.

## ENGLISH PROVINCIAL HOSPITALS AND MEDICAL SCHOOLS.

BATH ROYAL UNITED HOSPITAL.—Honorary Consulting Physicians: Dr. Falconer and Dr. Davies. Physicians: Dr. Goodridge, Dr. Coates, and Dr. Cole. Surgeons: Mr. Gore, Mr. Stockwell, and Mr. Fowler. Dental Surgeon: Mr. Gaine. Pathological Registrar and Curator: Mr. H. Culliford Hopkins. The hospital contains 120 beds (out-patients numbered last year 11,446), and is recognised by the General Medical Council, and licensed for dissection. It has also a good library and an excellent museum, containing a large number of interesting specimens both in pathology, human and comparative anatomy. Fees for attending the hospital practice, both medical and surgical: Six months, £5 5s.; twelve months, £10 10s. The registrar (to whom all communications should be addressed) can receive one or more pupils in his own house, who would be attached to the hospital; and he is also prepared to instruct those pupils attending the hospital and not residing with him in such subjects as the bones, dispensing, &c.

QUEEN'S COLLEGE, BIRMINGHAM.—The Sands Cox Prize of £20 is given annually in the Medical department. It is open to students who have completed their curriculum, and is awarded after examination in medicine, surgery, and midwifery. The examination for this prize in 1880 will be held in the third week in March. Two Ingleby Scholarships will be awarded annually after examination in Obstetric Medicine and Surgery, and Diseases of Women and Children. These Scholarships are open to students who have completed the first two years of their curriculum in this College. Medals and certificates of honour are awarded annually in each class after examination. Students of Queen's College are qualified to compete for all scholarships, gold medals, and other prizes offered by the University of London, the Royal College of Surgeons, and the Apothecaries Society. Hospital practice may be attended at either the General Hospital or the Queen's Hospital, for a common fee. Composition fee 60 guineas.

THE GENERAL AND THE QUEEN'S HOSPITALS, BIRMINGHAM.—*The General Hospital*:—Consulting Physician: Dr. Fletcher. Consulting Surgeon: Mr. Crompton. Physicians: Drs. Russell, Wade, Foster, and Rickards. Surgeons: Messrs. Baker, Pemberton, Bartleet, Goodall, and Jolly. Obstetric Officer: Dr. Malins. Assistant-Physicians: Drs. Saundby and Gibson. Assistant-Surgeons: Messrs. Archer and Chavasse.—*The Queen's Hospital*:—Consulting Obstetric Surgeon: Mr. Berry. Physicians: Drs. Heslop, Sawyer, Carter, and Hunt. Surgeons: Messrs. West, Gamgee, Furneaux Jordan, and Wilders. Obstetric Surgeon: Mr. John Clay. Ophthalmic Surgeon: Mr. Priestley Smith. Dental Surgeon: Mr. Charles Sims.

The practices of these hospitals are amalgamated for the purposes of clinical instruction under the direction of the Birmingham Clinical Board, by whose order all schedules will be signed and all examinations conducted. All students will be required to attend six months alternately at each hospital, as they may be directed by the Clinical Board, excepting those who enter for six months only, who will be allowed to choose the hospital they wish to attend.

BRISTOL ROYAL INFIRMARY.—264 beds. Physicians: Drs. Spencer, Shingleton Smith, Waldo, and Shaw. Surgeons: Messrs. Prichard, Cross, Greig Smith, Board, and Dowson. Surgeon for the out-patients: Mr. Harsant. Medical Superintendent: Mr. Macintire. House-Physician: Dr. Scott. House-Surgeon: Dr. Lilley. Secretary: W. Trenerry. In-patients last year, 2330; out-patients last year, 22,768. Clinical clerkship, six months, five guineas; one year, eight guineas. Dressership, five guineas for each six months; Obstetric clerkship, three guineas for each three months. Special clinical instruction is given in Diseases of the Eye, Ear, and Throat, also in Diseases of Women. Several prizes, of considerable value, are open to competition among the students.

*Fees.*—Medical or Surgical Practice, six months, seven guineas; one year, twelve guineas; perpetual, twenty guineas. Medical and Surgical Practice together in one payment, one year, twenty guineas; perpetual, thirty-five guineas. The above fees include Clinical Lectures.

Pupils are entitled to attend the practice not only of their

own physician or surgeon, but also that of all the physicians or surgeons. Surgical pupils, on acquiring the requisite experience, are permitted to dress all the out-patients, and also to reside in the house in weekly rotation, where they are in charge of all the casualties under the supervision of the house-surgeon. The Medical Superintendent is allowed to take two resident pupils. A Pathological Clerk, who performs all the post-mortem examinations, is appointed for three months from among the senior students. Practical Pharmacy at the laboratory and dispensary. The library contains about 3000 volumes. There is a museum, containing over 3000 specimens of normal and morbid anatomy.

BRISTOL SCHOOL OF MEDICINE.—Students of Anatomy or Physiology who do not pay the composition fee of sixty guineas are required to pay a medical tutor's fee of two guineas per annum.

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ADDENBROOKE'S HOSPITAL, CAMBRIDGE.—Clinical Lectures in Medicine and Surgery in connexion with the Cambridge Medical School are delivered at this hospital twice a week during the academical year; and practical instruction in Medicine and Surgery, in the wards, is given by the physicians and surgeons daily, during the vacations as well as term time.

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UNIVERSITY OF DURHAM COLLEGE OF MEDICINE, NEWCASTLE-UPON-TYNE.—*Scholarships, &c.*—A University of Durham Scholarship of the value of £25 a year for four years annually for proficiency in arts awarded to perpetual students in their first year only. The Dickinson Scholarship, value £15 annually, for Medicine, Surgery, Midwifery, and Pathology. The Tulloch Scholarship, value £20 annually, for Anatomy, Physiology, and Chemistry. The Charlton Scholarship, value £35 annually, for Medicine. The Gibb Scholarship, value £25 annually, for Pathology. At the end of each session a Silver Medal and Certificate of Honour are awarded in each of the regular classes. An Assistant Curator of the Museum is annually appointed from among the senior students, and receives £12 as an honorarium. Two Assistant Demonstrators of Anatomy, two Assistant Physiologists, and two Pathological Assistants are also elected. Four resident dressers are chosen every six months on payment of a fee of £10 10*s.* for board and residence. Clinical lectures are delivered by the physicians and surgeons in rotation three times a week.

*Fees for Lectures.*—Composition fee for all the lectures, qualifying for the Licence in Medicine and the Mastership in Surgery of the University of Durham, the Licence and Membership of the Royal College of Physicians, the Membership of the College of Surgeons, and the Licence of the Apothecaries' Society, and payable on entering to the first winter session, £52 10*s.* Perpetual ticket for Pharmacy curriculum, £12 12*s.* Separate courses of lectures, each £4 4*s.* Single course of Chemistry, £5 5*s.* The composition fee entitles the holder to attend the lectures on Botany, Chemistry, Materia Medica and Pharmacy, and to use the Museum of Materia Medica in the library of the College.

*Hospital Practice.*—This can be attended at the Newcastle Infirmary, which contains 230 beds. Midwifery, Diseases of the Eye, and Insanity can be specially studied. The Laboratories, Libraries, and Museums are open daily.

*Fees for Hospital Practice.*—Twelve months, £7 7*s.*; six months, £5 5*s.*; three months, £4 4*s.*; perpetual fee, £17 17*s.*; or, if paid by instalments, first year, £7 7*s.*; second year, £6 6*s.*; third year, £5 5*s.* These fees are payable in advance.

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GENERAL KENT AND CANTERBURY HOSPITAL.—Open for the reception of patients April 26th, 1793. 44,084 in-patients, and 75,069 out-patients, have been admitted since the hospital was open. The hospital contains 108 beds. Pupils of the staff are admitted to the practice of the hospital, and have the use of the library of the East Kent and Canterbury Medical Society for £7 7*s.* Operation day, Thursday, 11 A.M. Physicians: Drs. Alfred Lochee and Henry Alexander Gogarty. Consulting Surgeon: Mr. P. B. Hallowes. Surgeons: Messrs. James Reid, Charles Holttum, Frank Wacher, and Thos. Whitehead Reid. Dentist: Mr. Robert J. Bell. House-Surgeon: Mr. R. Lyddon. Assistant House-Surgeon: Mr. C. J. Vlieland. Secretary: Mr. Thomas Southee.

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LEEDS SCHOOL OF MEDICINE.—Attendance at the lectures of this school will confer the same qualifications for examination as are obtained in the medical schools of London. The lectures on Chemistry, by Professor Thorpe, and those on Botany and Comparative Anatomy by Professor Miall, are delivered in connexion with Yorkshire College. The Hardwick Clinical Prize, value £10, is conferred annually upon the most deserving student who exhibits a satisfactory proficiency in Clinical Medicine. The Surgeons' Clinical Prizes, value £16, given by the surgeons to the hospital, is conferred annually on the most deserving students who exhibit proficiency in Clinical Surgery. In addition to the Silver Medal awarded in Medical Jurisprudence, there is a prize of £10 (Thorpe Prize), for which a special examination is annually held. Practical Surgery and Practical Physiology are taught in accordance with the regulations of the Royal College of Surgeons. In the Infirmary there are six clinical clerkships and eight dresserships. Four resident assistants are chosen from the senior students; board and residence free. Besides the Infirmary there is a large Dispensary and a Fever Hospital; both are in the town, and open to students attending the school.

Besides the lectures on Mental Diseases, clinical teaching is given by Dr. Major (the Medical Director), at the West Riding Lunatic Asylum.

The various courses at the Yorkshire College afford facilities for those studying arts and natural sciences.

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LIVERPOOL ROYAL INFIRMARY SCHOOL OF MEDICINE.—Three house-surgeons and two house-physicians are elected every six months from pupils of the school who have obtained a qualification. Six dressers and six clinical clerks are elected quarterly; and post-mortem clerks for six weeks. Pupils of the Infirmary are admitted to learn Pharmacy in the dispensing department for six months. Two Scholarships of £21, held two years.

The hospital contains 300 beds, including wards, with 40 beds, for the treatment of diseases of women. The Lock Hospital adjoining contains 60 beds.

*Fees.*—For six months' medical practice, five guineas; twelve months, six guineas; surgical, six guineas for six months, eight guineas for twelve months (this includes admission to the practice of the Lock Hospital adjoining the infirmary); perpetual medical and surgical practice, thirty-two guineas.

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LIVERPOOL NORTHERN HOSPITAL.—Physicians: Drs. Dickinson and Caton. Surgeons: Mr. Manifold, Mr. Chauncey Puzey, and Dr. Campbell. Dental Surgeon: Mr. J. B. Lloyd. House-Surgeon: Dr. W. McGeagh. House-Physician: Dr. D. M. Fraser. 145 beds. There is a special ward for the treatment of children. Clinical lectures are delivered by the physicians and surgeons during the summer and winter sessions. Clinical clerkships and dresserships are open to all the students without additional fee.

*Fees for Hospital Practice and Clinical Lectures.*—Perpetual, twenty-five guineas; one year, ten guineas; six months, seven guineas; three months, four guineas.

Attendance on the practice of this hospital qualifies for all the examining boards.

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NORFOLK AND NORWICH HOSPITAL.—120 beds. One year's attendance recognised by examining boards. Fees: For the physicians' practice, five guineas for six months; ten guineas, perpetual. For the surgeons' practice, including dresserships, £10 for three months; £15 for six months, £20 for one year; £30 for two years; and £40 perpetual. Pupils, resident and non-resident. Consulting Physician: Dr. Copeman. Physicians: Dr. Eade, Dr. Bateman, and Dr. Taylor. Surgeons: Mr. Cadge, Mr. Crosse, and Mr. Williams. Assistant-Surgeons: Dr. Beverley and Mr. Robinson. House-Surgeon: Mr. S. H. Burton.

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OWENS COLLEGE (MANCHESTER ROYAL) SCHOOL OF MEDICINE.—This medical school is located in a large new building, which forms a part of Owens College. It is provided with a very large dissecting-room, physiological laboratory, private laboratories, and work-rooms, besides lecture-rooms, a museum, and a library. The departments of Anatomy, Physiology, and Chemistry are taught by professors who devote the whole of their time to the duties of their respective chairs. The more strictly practical departments of medical study are taught partly in the Medical School and partly in the Royal Infirmary, to which are attached a fever hospital, a lunatic asylum, and a convalescent home. Medical and surgical clinical classes are

conducted in the Infirmary by the professors of medicine and surgery, and separate instruction is afforded in the elements of medical and surgical physical diagnosis, in obstetric medicine, ophthalmic surgery, and pathological anatomy, by the different members of the staff of the Medical School and Infirmary. The following scholarships and prizes are open to students of the Medical School:—1. A Scholarship and Prizes are awarded at the end of each academic year to students of the first, second, and third year. 2. A Platt Physiological Scholarship of £50 a year for two years is offered annually to the student who, having studied for one entire session in the physiological laboratory of Owens College, has prosecuted the best original investigation in Physiology and has passed a satisfactory examination in Physiology. 3. Two Platt Exhibitions of the value of £20 each, to be competed for by first and second year's students in the class of Physiology. 4. A Dumville Surgical Prize of £20 is offered annually for proficiency in Clinical Surgery. 5. Medical and Surgical Clinical Prizes, each of the value of six guineas, are open to competition each year for the best reports (with comments) of cases which have occurred in the wards of the Infirmary.

SHEFFIELD SCHOOL OF MEDICINE.—The Infirmary contains 180 beds; a Museum of Pathology, Library, and Post-mortem Theatre, with microscopes and all the appliances for clinical research. Perpetual fee for attendance on all the lectures required by the Royal College of Surgeons and the Apothecaries' Hall, £45. Prospectuses and all further information may be obtained upon application to the Hon. Secretary, Mr. A. Jackson. A medical tutor's fee of £22 is required from every student entering for Anatomy and Physiology.

SHEFFIELD PUBLIC HOSPITAL AND DISPENSARY.—Physicians: Dr. H. J. Branson, Dr. Dyson, and Dr. Thomas. Surgeons: Dr. Keeling, Mr. Thorpe, and Mr. Pye-Smith. House-Surgeons: Messrs. C. C. Claremont, Morgan, and Dales. Number of beds, 105. In- and out-patients yearly about 30,000. A physician and a surgeon attend at the hospital daily. G. K. Thorpe, Hon. Secretary to the Staff.

NORTH STAFFORDSHIRE INFIRMARY, Hartshill, Stoke-upon-Trent.—The new North Staffordshire Infirmary was opened in 1869, and is built on the pavilion plan. It has accommodation for nearly 220 patients, including detached fever wards and children's hospital. In-patients last year 1553; out-patients, 8166. The hospital is duly recognised by the Court of Examiners of the Royal College of Surgeons of England, and students have great facilities for acquiring a practical knowledge of their profession.

YORK COUNTY HOSPITAL.—Established 1740; rebuilt 1851. 110 beds. In-patients, 742; out-patients, 4272. Physicians: Dr. G. Shann and W. Matterson. Surgeons: Messrs. W. D. Husband, R. Hewetson, and W. H. Jalland. House-Surgeon: Mr. F. H. Weekes. Secretary: Mr. R. Holtby.

## SCOTTISH HOSPITALS AND MEDICAL SCHOOLS.

ROYAL INFIRMARY, EDINBURGH.—Beds are set apart for clinical instruction by the professors of the University of Edinburgh. Courses of Clinical Medicine and Surgery are also given by the ordinary physicians and surgeons. Special instruction is given in the medical department on Diseases of Women, Physical Diagnosis, &c., and in the surgical department on Diseases of the Eye. Separate wards are devoted to fever, venereal diseases, diseases of women, diseases of the eye, also to cases of incidental delirium or insanity. Post-mortem examinations are conducted in the Anatomical Theatre by the Pathologist, who also gives practical instruction in Pathological Anatomy and Histology. Hospital tickets: Perpetual in one payment, £10; annual, £5 5*s.*; half-yearly, £3 3*s.*; quarterly, £1 11*s.* 6*d.* Separate payments for two years entitle the students to a perpetual ticket. No fees are payable for any medical or surgical appointment. The appointments are as follows:—1. Resident physicians and surgeons are appointed, and live in the house free of charge. Candidates must be registered as legally qualified practitioners. The appointment is for six months, but may be renewed at the end of that period by special recommendation. 2. Non-resident clinical clerks are appointed by the physicians and surgeons for such periods and under such conditions as they deem expedient. 3. Each surgeon appoints from four to nine dressers, the appointment being for six months. 4. Assistants in the Pathological department are appointed by the pathologist.

SCHOOL OF MEDICINE, EDINBURGH.—The lectures qualify for the universities and the Royal Colleges of Physicians and Surgeons of the United Kingdom.

Lectures on Diseases of the Eye, by Dr. Allan Jamieson (£2 2*s.*); Medical Anatomy, &c., by Dr. Muirhead (£2 2*s.*); Pathological Histology, by Dr. John Willie (£3 5*s.*); Syphilology, by Dr. Cadell (£3 5*s.*); Diseases of the Ear, Dr. Kirk Duncanson; Diseases of Children, Dr. James Andrew, Dr. James Dunsmure, Dr. Carmichael (£2 2*s.*)

In accordance with the statutes of the University of Edinburgh, any four of the medical classes required for graduation, or two complete *anni medici*, may be attended in this school, each of which *anni medici* may be constituted by attendance on two of the six months' courses, or on one of these and two three months' courses.

The whole of the education required for graduation at the University of London may be taken in this school.

The minimum cost of the education in this School of Medicine for the double qualification of physician and surgeon from the Royal Colleges of Physicians and Surgeons, including the fees for the joint examination, is £95, which is payable by yearly instalments during the period of study; whilst the minimum cost for the single qualification of physician or surgeon, including fees for examination, is £85.

*The Edinburgh School of Pharmacy and Chemistry, and School of Medicine*, Marshall-street, Nicolson-square.—The classes of this school will be resumed for the Winter Session on the 28th of October next. Out-door dispensary practice from the dispensary of the institution. Tutorial classes in all the branches of the medical curriculum. The Pharmaceutical section of the school and chemical laboratories will open on the 1st October.—For all particulars apply to R. Urquhart, secretary.

ANDERSON'S COLLEGE, GLASGOW.—A Dispensary is connected with Anderson's College; the object of which is to give gratuitous advice to the sick poor, and to visit them at their own homes when necessary. On Tuesdays and Thursdays, at 3 P.M., special advice is given on Diseases of Women and Children; on Wednesdays, at 3 P.M., advice is given on Diseases of the Skin; and on Fridays, at 3 P.M., advice is given on Diseases of the Eye. The number of patients last year was—surgical, 7860; medical, 13,695; women and children, 2478—in all, 24,033. The visiting of these patients is entrusted to the students of the College, acting under the supervision of the Dispensary staff, who, in urgent cases, and occasionally at other times, visit along with the students, for the purpose of instructing them in the cases. Students of Anderson's College are admitted, free of charge, to the practice of this Dispensary; they are eligible for the various appointments common in such institutions; and, at the end of the session, they receive tickets of attendance, and certificates of home visitation. Fee for practice at Dental Hospital, required for L.D.S., £10 10*s.* Dental Anatomy: Mr. J. C. Morison, £2 2*s.* Dental Surgery: Mr. J. R. Brownlie, £2 2*s.*

*Medical Scholarships and Prizes.*—The following Scholarships and Prizes are awarded:—The Kerr Bursary, value £12, and tenable for three years (provided the student continues the study of Anatomy), to be competed for by students entering upon their second winter of medical study. A £20 Medical Scholarship, tenable for one year, and to be competed for by students entering upon their third winter of medical study. Should this scholarship be gained by a student holding another medical scholarship, the £20 is to be divided equally between the successful student and the one nearest him in merit. 3. A Prize of £5 in the Junior Anatomy Class, at the close of Session 1879-80. 4. A Prize of £5 in the Chemistry Class at the close of Session 1879-80. 5. £5 in one or more Prizes, in the Institutes of Medicine Class at the close of Session 1879-80.

The examinations for the Kerr Bursary and Medical Scholarship are held in the first week of December, and are partly *viva voce* and partly written. The subject of examination for the Kerr Bursary is Anatomy. The subjects for the £20 Scholarship are Anatomy, Physiology, and Surgery.

GLASGOW ROYAL INFIRMARY SCHOOL OF MEDICINE.—The winter session will open on October 29th. Courses of